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NUCLEAR WEAPONS



CAREER FIELD

EDUCATION AND TRAINING PLAN

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**CAREER FIELD EDUCATION AND TRAINING PLAN
NUCLEAR WEAPONS
AFSC 2W2X1**

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CAREER FIELD EDUCATION AND TRAINING PLAN

NUCLEAR WEAPONS

AFSC 2W2X1

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for the Nuclear Weapons specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts. Both parts of the plan will be used by supervisors to plan, manage, and control training within the career field. This plan will be used as the sole source of initial training documentation. Supervisors will maintain both Part I and II in the master training plan. Only Part II is required for individual training records; however, all personnel should be familiar with Part I.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how to use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and other); Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities; Section E identifies transition training guide requirements for SSgt through MSgt.

2.2. Part II includes the following: Section A is the Course Objective List and Section B identifies available support materials. An example is Qualification Training Packages (QTPs), which may be developed to support proficiency training. Section C identifies the training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses, correspondence course requirements and exportable courses; Section D identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. Section E contains the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, proficiency codes used to indicate training/ information provided by Air Education and Training Command (AETC), core tasks and the certification for On-the-Job Training (OJT) where supervisors determine if airmen satisfied training requirements.

3. Using guidance provided in the CFETP will ensure individuals within the Nuclear Weapons specialty receive effective and efficient training at the appropriate point in their career. This plan will enable training today's workforce for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

Abbreviations/Terms Explained

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Career Field Manager (AFCFM). An individual designated by HQ USAF/A4LW who determines training requirements and directs training programs for the 2W2X1 career field.

Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS). A comprehensive list which describes a particular job type or duty position. They are used by supervisors' to document task qualifications. The items on AFJQS/CJQS are common to all persons serving in the described duty position.

Air Force Specialty (AFS). The grouping of related tasks, knowledge, and duties of a job that constitutes the work requirement of a position. It contains positions that require the same basic ability to perform.

Air Force Specialty Code (AFSC). Assigned to a grouping of positions that require common qualifications in relation to skill level.

Career Development Course (CDC). A self-study exportable course that helps personnel complete the specialty knowledge portion of the dual-channel OJT program.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. Tasks the AFCFM identify as minimum qualification for everyone within an AFSC. Core tasks may be adjusted for duty position requirements or deployment training, as determined by the AFCFM.

Course Objective List (COL). A publication, derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3/5/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing, and Conducting Military Training Program*.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Instructional System Development (ISD). A deliberate and orderly, but flexible process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost efficient way the knowledge, skills, and attitudes essential for successful job performance.

Initial Skills Training. A formal resident course, which results in award of the entry level.

Job Qualification Standard (JQS). A comprehensive list that describes a particular job type or duty position. The JQS is used by supervisors to document individual qualifications. These qualifications are tailored to meet individual training requirements for their particular duty position.

MAJCOM Functional Manager (MFM). The designated 2W2 assigned to the Headquarters or Center staff that is responsible for identifying command qualification requirements and coordinating training solutions for each skill level.

Master Task Listing (MTL). A document maintained within the work center that identifies all tasks performed in the work center. This includes core, critical, position qualifications, and wartime tasks. This document may be printed, computer-based, or in other audiovisual media.

Master Training Plan (MTP). A comprehensive training plan used within the work center. It can include the MTL, QTP, AFIQs, CFETP, task breakdowns, publications, and any other document that supports training.

Nuclear Weapons Certification Program. An AFI 21-204, *Nuclear Weapons Maintenance Procedures*, requirement over and above the qualification/certification procedures contained in AFI 36-2201, *Air Force Training Program*, and this document. This program takes precedence over all other publications in the area of nuclear weapons training, certification and evaluation.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Training conducted to certify personnel in both upgrade (skill level awarding) and job qualification (duty position) training.

Optimal Training. The ideal training environment, which results in the highest level of proficiency on, specified performance requirements within the minimum time possible.

Qualification Training (QT). Actual hands-on task performance and knowledge training designed to qualify an individual in a specific duty position. This portion of the dual channel OJT program occurs both during and after the upgrade training process. It is designed to provide the knowledge/performance skills required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may

be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

Skills Training. Is a formal course, which results in the award of a skill level.

Specialty Training. A mix of formal training (technical school) and informal training (OJT) to qualify and upgrade airmen in the award of a skill level.

Specialty Training Standard (STS). An Air Force publication that describes skills and knowledge that airmen in a particular AFSC need on the job. It further serves as a contract between AETC and the user to show the overall training requirements for an AFSC that the formal schools teach.

Task Certification. This program is implemented by appointing task certifiers who are capable and technically qualified to evaluate and document an individual's qualifications for performing specific tasks.

Task Certifier. An individual authorized to evaluate training and certify qualifications. Records task certification according to the instructions provided in the respective JQS when a trainee performs a task to required standards. Each certifier must attend a formal task certifier course and remain qualified in the tasks evaluated. Uses established training evaluation tools and methods to determine trainee's ability and training program effectiveness. Certifiers will not evaluate tasks they have trained airmen to perform.

Training Planning Team (TPT). Comprised of the same personnel as a U&TW, however TPTs are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

Training Requirements Analysis. A detailed analysis of tasks for a particular AFS to be included in the training decision process.

Upgrade Training (UGT). A mix of formal training (technical school) and informal training (OJT) to qualify and upgrade airmen in each skill level of the 2W2X1 specialty.

Utilization and Training Workshop (U&TW). A forum of the AFCFM, MFMs, unit subject matter experts, and AETC training personnel that determine career field ladder training requirements.

Section A - CFETP General Information

1. Purpose. The Nuclear Weapons CFETP provides information necessary for the 2W2X1 AFCFM, MFM's, commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. The plan outlines the training that individuals in AFSC 2W2X1 must receive in order to develop and progress throughout their

career. The plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. For nuclear weapons technicians, this training is conducted by AETC at the 363rd Training Squadron, Sheppard AFB. Upgrade training identifies the mandatory courses, task/knowledge qualification requirements, and correspondence course requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill and knowledge required to do the job. Advanced training is formal specialty training used for selected airman. Proficiency training is additional training, either in-residence or exportable advanced training courses, or OJT provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate the training program. In addition, it helps supervisors identify training requirements so individuals receive training at the appropriate point in their career.

1.2. Identifies and documents task and knowledge training requirements for each skill level in the specialty and identifies education and training throughout each phase of an individual's career.

1.3. Lists training courses available, identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints that impact full implementation of the career field-training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop or revise formal resident, non-resident, field, and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will coordinate with the AFCFM and MFMs to develop acquisition strategies for obtaining resources needed to provide training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, and contract training or exportable courses can satisfy identified requirements. MAJCOM-developed training to support this AFSC must be identified for inclusion into the plan.

2.3 Each individual must complete the mandatory training requirements (core tasks) specified in this plan for skill level upgrade. The Part II lists courses to support training.

3. Coordination and Approval. The AFCFM is the approval authority for the CFETP. MAJCOM and AETC representatives will identify and coordinate on the career field training

requirements. The AETC training manager for this specialty (363TRS/TRR, Sheppard AFB) will initiate an annual review of this document. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information:

1. Specialty Description.

1.1. Specialty Summary. Inspects, maintains, stores, handles, modifies, repairs, and accounts for nuclear weapons, weapon components, associated equipment, and specialized/general test and handling equipment.

1.2. Duties and Responsibilities. Stores, handles, transports, inspects, assembles, disassembles, maintains, and modifies nuclear warheads, bombs, missiles, reentry vehicles and systems, launchers, pylons, ejector racks, penetration aids, and associated test and handling equipment. Installs and removes nuclear warheads, bombs, missiles, and reentry vehicles. Maintains and operates Use Control (UC) equipment. Troubleshoots and maintains test sets. Inspects, maintains, and operates vehicles and munitions handling equipment used to transport nuclear weapons and components. Uploads, downloads, and cross loads nuclear weapons to launch gear. Resolves maintenance problems in accordance with technical guidance, reviews publications for accuracy and submits applicable improvement reports, and performs periodic inspections on weapons or equipment and submits deficiency reports. Observes proper procedures for the handling, use, and disposal of hazardous waste materials. Complies with nuclear, missile, explosive, and general safety requirements; weapons systems safety rules; and technical order procedures. Complies with two-person concept and no-lone zone requirements. Maintains and troubleshoots Weapon Storage and Security System (WS3). Performs or assists in emergency disablement or evacuation of nuclear weapons and components. Inspects, audits and maintains high security locks, keys, and code modules. Assists in performing operational checks on facility alarm systems. Stores, issues, inspects, maintains, and uses small arms and ammunition for security force support and contingency taskings. Performs escort duties. Performs weapons inventory, accountability, reporting, and verification procedures using the Defense Integration and Management of Nuclear Data Services (DIAMONDS). Plans, organizes, directs, inspects, and evaluates nuclear weapon activities, and performs nuclear weapon management functions. Plans, schedules, inspects, and evaluates nuclear maintenance actions, including maintenance on related components and specialized test and handling equipment. Establishes production control, performance standards, and determines maintenance priorities. Coordinates maintenance actions with MAJCOM, wing, base, or squadron maintenance and munitions organizations. Ensures conformance to prescribed quality and safety standards. Conducts periodic reviews to identify and then resolve maintenance and supply problems. Performs in-process and visual inspections IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*, and T.O. 11N-35-51, *General Instructions Applicable to Nuclear Weapons*.

2. Skills and Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level plays an important role in the Air Force's ability to accomplish its mission. Everyone must do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual

receives viable training at appropriate points in their career. Additionally, continued academic education through CCAF or other degree programs is highly encouraged, but not mandatory for career progression.

2.1. Apprentice (3) Level. Upon completion of initial skills training, a trainee works with a trainer and their supervisor to enhance their task knowledge and develop their maintenance skills. They will use the 2W251 CDC to expand their task knowledge, perform Task Qualification Training tasks as directed by supervisors identified in the STS, and certify to perform nuclear weapons maintenance in accordance with the Nuclear Weapons Certification Program in AFI 21-204, *Nuclear Weapons Maintenance Procedures*.

2.2. Journeyman (5) Level. Once upgraded to the 5-skill level, a journeyman may enter in continuation training working in different functional areas to broaden his or her experience base. Personnel perform, supervise or direct nuclear weapons maintenance tasks.

2.3. Craftsman (7) Level. Craftsmen gain experience in various supervisory positions, such as team chief, bay chief, shift supervisor, assistant NCOIC, NCOIC, section or element chief. Additionally, they fill select staff positions. Personnel are encouraged to take courses to develop their management of resources and personnel skills, and must attend the 7-skill level in-resident course and complete the 7-level CDC before upgrade to the 7-skill level. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy (NCOA).

2.4. Superintendent (9) Level. A 9-skill level Nuclear Weapons manager fills supervisory and management positions such as NCOIC, section or element chief, flight chief, and maintenance superintendent/manager. Additionally, they fill select staff positions. All 9-skill levels should seek additional training in budget, manpower, resources, and personnel management through continuing education programs. All 9-skill levels attend the Senior Noncommissioned Officer Academy (SNCOA) upon promotion to SMSgt, if not afforded the opportunity as a MSgt.

3. Training Decisions. The CFETP identifies the entire spectrum of training requirements for the Nuclear Weapons Specialty. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure nuclear weapon technicians have the fundamental technical knowledge to perform weapons related duties and possess specific systems knowledge prior to upgrade. Training decisions were made by the AFCFM and MFMs at the 2W2X1 U&TW held at Sheppard AFB, 17-21 August, 2009. A detailed list of training decisions and U&TW minutes may be obtained by accessing the HQ AF/A4LW CoP.

4. Community College of the Air Force. Enrollment occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Science Degree. In addition to its associate's degree program, CCAF offers the following:

4.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and teaching internship, AETC instructors who possess an associate degree or higher may be nominated by their squadron commander for certification as an occupational instructor.

4.2. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. CCAF uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are documented on the CCAF transcript.

4.3. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an associate's degree in Munitions Systems Technology, the 5-level must be awarded and the following requirements must be met:

Subjects/Courses	Semester
Hours	
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Electives	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

4.3.1. Technical Education (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses. Requests to substitute subjects or courses must be approved in advance by the Technical Branch. Refer to the CCAF catalog for Application of Courses to the Technical Education area.

Technical Core

Subjects/Courses	Semester Hours
CCAF Internship	16
Munitions Operations	12
Munitions Systems	12
Nuclear Weapons Systems	12

Technical Electives

Subjects/Courses	Semester Hours
Advanced Munitions Systems	12
Advanced Nuclear Weapons Systems	12
AF Enlisted Professional Military Education	12
Basic Accounting	3
Computer Science	6
Corrosion Control	3
Electricity/Electronics	6
Engineering Graphics	3

Fluid Power	3
General Chemistry/Algebra-Based Physics	8
Hazardous Materials	3
Heavy Equipment Operation/Maintenance	3
Industrial Safety	3
Inventory Management	3
Maintenance Management	3
Materiel Management	3
Basic Mechanics (Reactor Technology)	3
Statistics	3

4.3.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses. The preferred method of completing Leadership, Management, and Military Studies is through attendance at an Airman Leadership School, MAJCOM NCO Academy, and/or Air Force Senior NCO Academy. However, college courses that emphasize fundamentals of managing human or material resources may be used to satisfy this requirement.

4.3.3. Physical Education (4 Semester Hours): Basic Military Training satisfies this requirement.

4.3.4. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog. The following is a specific breakout of requirements:

Subjects/Courses	Semester Hours
Oral Communication (Speech)	3
Written Communication (English Composition)	3
Mathematics	3
Intermediate algebra or a college-level mathematics course is required. If an acceptable mathematics course is applied as a Technical or Program elective, a natural science course meeting GER application criteria may be applied as a general education requirement.	
Social Science	3
Anthropology, Archaeology, Economics, Geography, Government, History, Political Science, Psychology, Sociology.	
Humanities	3
Fine Arts (History, Criticism, and Appreciation), Foreign Language, Literature, Philosophy, Religion.	

4.3.5. Program Electives (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or general education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied.

4.4. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor should be actively pursuing an associate's degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

5. Career Field Path.

5.1. Enlisted Career Path.

Table 5.1 Enlisted Career Path (Depicts a complete picture of education and training for all skill levels)				
	GRADE REQUIREMENTS			
Education and Training Requirements	Rank	Average Sew-On	Earliest Sew-On	High Year of Tenure
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn	6 months		
Upgrade to Journeyman (5-Skill Level) -Minimum 12 months OJT -Minimum 9 months OJT for retrainees -Complete 2W251 A&B CDCs -Minimum 12 months certification on general maintenance and a minimum of 4 months certification on LLC exchange as a team member	A1C	16 months		
	SrA	3 years	28 months	12 years
Airman Leadership School (ALS) Must be a SrA with 48 months TIS or SSgt select Resident graduation is a prerequisite for SSgt sew-on	<u>Trainer</u> 1. Recommended by their supervisor 2. Qualified to perform the task being trained 3. Must attend formal Air Force Trainer Course			
Upgrade to Craftsman (7-Skill Level) -Minimum rank of SSgt -Minimum 12 months OJT -Minimum 6 months OJT for retrainees -Complete 2W271 CDC -Attend 7-Level Craftsman Course -Minimum 12 months certification on general maintenance and LLC exchange as a team chief	SSgt	4.5 years	3 years	20 years
Noncommissioned Officer Academy (NCOA) -Must be a TSgt or TSgt Selectee -Resident graduation is a prerequisite for MSgt sew-on	TSgt	12.5 years	5 years	24 years
	MSgt	17 years	8 years	26 years
USAF Senior NCO Academy (SNOCA) -Must be a SMSgt, SMSgt Selectee or selected MSgt -Resident graduation is a prerequisite for CMSgt sew-on				
Upgrade to Superintendent (9-Skill Level) -Minimum rank of SMSgt	SMSgt	20 years	11 years	28 years
Upgrade to Chief Enlisted Manager (AFSC 2W200)	CMSgt	22 years	14 years	30 years

5.2. Manpower Table. *This table not used.*

Section C - Skill Level Training Requirements

1. Purpose. Skill level training requirements are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections E of this CFETP.

2. Specialty Qualification Requirements:

2.1. Knowledge. Knowledge of electrical and mechanical principles; safety and security requirements for nuclear weapons; interpreting block diagrams and technical orders; and proper handling, use, and disposal of hazardous waste and materials is mandatory.

2.2. Other. For entry, award, and retention the following are mandatory:

2.2.1. Normal color vision and depth perception as defined in AFI 48-123, *Medical Examination and Standards*.

2.2.2. Individuals must meet the requirements necessary to fill critical personnel reliability program (PRP) positions as defined in DoD 5210.42-R and AFMAN 10-3902 *Nuclear Weapons Personnel Reliability Program (PRP)*.

2.2.3. No record of emotional instability as specialty requires continued access to nuclear weapons and components.

2.2.4. Specialty requires access to Top Secret materials. For award and retention of AFSCs 2W231/51/71/91/00, completion of a current Single Scope Background Investigation (SSBI) according to AFI 31-501, *Personnel Security Program Management*.

NOTE: Award of the 3-skill level without a completed SSBI is authorized provided an interim SSBI has been granted according to AFI 31-501, *Personnel Security Program Management*.

2.3. Specialty Specific Qualifications:

2.3.1. 3 Skill Level Training:

2.3.1.1. Education. For entry into this specialty, completion of high school or general educational development equivalency is mandatory. Courses in mechanics, physics, or basic electricity are desirable.

2.3.1.2. Training. For award of AFSC 2W231, successful completion of the Nuclear Weapons Apprentice Course, J3ABR2W231-0A0B is mandatory.

2.3.1.3. Training Sources. The nuclear weapons technical school at Sheppard AFB provides the basic knowledge and skills necessary for the award of the 3-skill level. The training provided at the technical school can be reviewed by examining the 3-skill level column in the STS.

2.3.1.4. Implementation. Students are awarded a 3-skill level upon successful completion of the Nuclear Weapons Apprentice Course, J3ABR2W231-0A0B. The AFCFM has specified the minimum passing score for all progress checks and exams will be 80%.

2.3.2. 5 Skill Level Training:

2.3.2.1 Specialty Qualification. Qualification in and possession of AFSC 2W231. Familiarized with functions such as inspecting, maintaining, handling, and repairing nuclear weapons, weapon components, and related test and handling equipment is required.

2.3.2.2. Experience. A minimum of 12 months experience as a trainee (UGT) is required for upgrade to the 5-skill level (9 months for retrainees). In addition, individuals must be certified performing weapon maintenance tasks in a team member's position, IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*, certification for 12 months on general maintenance and a minimum of 4 months certification on LLC exchange as a team member. For those units not possessing WR weapons, individuals will be certified performing weapons maintenance on any assigned training weapon system. Individuals must have experience performing tasks such as inspecting, maintaining, storing, handling, and repairing nuclear weapons, weapon components, and related use of test and handling equipment. Document team member experience in the AF IMT 623A. Retrainees may enter directly into team chief training for a minimum of 12 months.

2.3.2.3. Training Sources. The 2W251 CDC is developed and maintained by AETC and administered by HQ AU/A4L. Supervisors are responsible for enrolling trainees and administering the course IAW AFI 36-2201, *Air Force Training Program*. The CDCs provide much of the knowledge necessary for upgrade training. Qualification training is provided by the supervisor and trainer to the trainee by using the JQS to determine qualification/knowledge tasks to be trained.

2.3.2.4. Implementation. Entry into upgrade training to the 5-skill level is initiated after an individual has been awarded the 3-skill level. The individual is then enrolled in CDC 2W251A or 2W251B. The 5-skill level is awarded to individuals who complete 12 months of OJT (9 months for retrainees), completes all 5-level core tasks, completes 2W251A and 2W251B CDCs (both CDCs must be completed prior to upgrade), and has a minimum of 12 months performing weapon maintenance tasks as a certified team member. Qualification training is initiated anytime an individual is assigned duties he/she is not qualified to perform. Document team member experience in the AF IMT 623A.

2.3.3. 7 Skill Level Training:

2.3.3.1 Specialty Qualification. Qualification in and possession of AFSC 2W251. Experience in performing or supervising functions such as inspecting, maintaining, handling, and repairing nuclear weapons, weapon components, and related test and handling equipment is required.

Pursuing an Associate's Degree through CCAF in Munitions Systems Technology is recommended.

2.3.3.2. Experience. Individuals must complete 12 months of OJT (6 months for retrainees) from the 1st day of the 1st month of the SSgt promotion cycle in which they were selected for promotion. In addition, individuals must be certified in a team chief position, IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*, for a minimum of 12 months on general maintenance and LLC exchange as a team chief. For those units not possessing WR weapons, individuals will be certified performing weapons maintenance on any assigned training weapon system. Individuals must be experienced performing or supervising functions such as inspecting, maintaining, storing, handling, and repairing nuclear weapons, weapon components, and related use of test and handling equipment. Note, 12 months weapons maintenance team chief experience is accumulative, that is, the 12 months experience may be accumulated in portions or during a single period. Document team chief experience in the AF IMT 623A.

2.3.3.3. Training Sources and Resources. Trainees must attend the 7-level course at Sheppard AFB. Attendance of the 7-Level course, J3ACR2W271-0C0B, Nuclear Weapons Craftsman Course, is mandatory, as is qualification on all core tasks. The AFCFM has specified the minimum passing score for all progress checks and exams for course J3ACR2W271-0C0B will be 80%. Course attendees are scheduled by the Air Force Personnel Center as they approach their 12th month in OJT tasks (SrA selected for promotion to SSgt may attend the 7level course). The 2W271 CDC is requested through the unit-training manager, completion is mandatory prior to attendance at the in-residence 7-Level course and is mandatory for upgrade to the 7-skill level.

2.3.3.4. Implementation. The 7-skill level is awarded to individuals in the grade of SSgt who complete 12 months of UGT (6 months for retrainees), complete all core tasks, successfully complete the 7-level Nuclear Weapons Craftsman Course (J3ACR2W271-0C0B), 2W271 CDC, and have a minimum of 12 months performing weapon maintenance tasks as a certified team chief. Document team chief experience in the AF IMT 623A.

2.3.4. 9 Skill Level Training:

2.3.4.1. Specialty Qualification. Qualification in and possession of AFSC 2W271. Experience leading, supervising, training and evaluating assigned personnel. Directs functions such as testing, inspecting, and maintaining nuclear weapons. Continued academic education through a higher degree program is strongly encouraged.

2.3.4.2. Experience. Experience in the management of nuclear weapons and associated resources to include directing functions such as testing, inspecting, and maintaining nuclear weapons are required. Individuals should seek supervisory and management positions within the munitions organization, as well as select staff positions.

2.3.4.3. Training Sources. All 9-skill level training for Nuclear Weapons is gained through OJT. No formal career field training is required for the award of the 9-skill level.

2.3.4.4. Implementation. A Senior Master Sergeant (SMSgt) is awarded the 9-skill level upon

SMSgt sew-on.

Section D - Resource Constraints:

1. Purpose. This section identifies known resource constraints, which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

2. Skill Level Training Constraints

2.1. 3-Skill Level Training Constraints – None

2.2. 5-Skill Level Training Constraints – None

2.3. 7-Skill Level Training Constraints – None

Section E. Transitional Training Guide:

1. Purpose. This section is used only if two or more specialties are merging. Outline the specialty requirements to satisfy transition training needs. There are currently no transitional training requirements. This area is reserved.

**CAREER FIELD EDUCATION AND TRAINING PLAN
NUCLEAR WEAPONS
AFSC 2W2X1**

Part II

Section A - Course Objective List

1. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to the schoolhouse Training Manager, 363 TRS/TRRM, 520 Missile Road, Bldg. 1025, Sheppard AFB, TX, 73611-2261.

Section B - Support Material

2. There are currently no support material requirements. This area is reserved.

Section C - Training Course Index

3. This section of the CFETP identifies training courses available for the Nuclear Weapons Specialty and shows how the courses are used by each MAJCOM in their career field training programs.

3.1. Air Force In-Resident Courses.

COURSE NUMBER	TITLE	LOCATION	USER
J3ABR2W231 0A0B	Nuclear Weapons Apprentice Course	Sheppard AFB	All
J3ACR2W271 0C0B	Nuclear Weapons Craftsman Course	Sheppard AFB	All
J3OZR21M1N 0N1A	Nuclear Accountability Course	Sheppard AFB	All
J5OZD21A1A 02DA	Air Force Nuclear Weapons Refresher Training	Kirtland AFB	All
L3AZR2W071 0C2A	Weapons Safety	Lackland AFB	All

3.2. Air Force Institute for Advanced Distributed Learning

COURSE NUMBER	TITLE	LOCATION	USER
2W251 A & B	Nuclear Weapons Journeyman Course (CDC)	HQ AU/A4L	All
2W271	Nuclear Weapons Craftsman Course (CDC)	HQ AU/A4L	All

3.3. Exportable Courses

COURSE NUMBER	TITLE	LOCATION	USER
J6AZW2AX5X 0B1A	IMDS for Back Shop	Kirtland AFB	All
J6AZW2AX5X 0S1A	IMDS for Supervisors	Kirtland AFB	All
N/A	Acquisition 101	DAU	All

3.4. Courses Under Development/Revision

COURSE NUMBER	TITLE	LOCATION	USER
J3ABR2W231 0A0A	Nuclear Weapons Apprentice Course	Sheppard AFB	All
J3ACR2W271 0C0A	Nuclear Weapons Craftsman Course	Sheppard AFB	All
2W251 A & B	Nuclear Weapons Journeyman Course (CDC)	HQ AU/A4L	All
2W271	Nuclear Weapons Craftsman Course (CDC)	HQ AU/A4L	All

3.5. Department of Defense Courses

COURSE NUMBER	TITLE	LOCATION	USER
N/A	Nuclear Weapons Technical Inspection Course	DTRA Kirtland	All
N/A	Nuclear Weapons Orientation Course	DTRA Kirtland	All

Section D MAJCOM Unique Requirements

4. This section identifies MAJCOM specific education and training requirements.

COURSE NUMBER	TITLE	LOCATION	USER
N/A	HQ USAFE Advanced WS3 Component Replacement/Troubleshooting Course	Ramstein AB, GE	All
N/A	Weapons Maintenance Supervisors Course	Ramstein AB, GE	2W2 Maintenance Supervisors, NCOIC, Bay Chief
N/A	Weapons Maintenance Road Show Course	Installations within USAFE	2W2 QA, Maintenance Trainers, Bay Chief

Section E Specialty Training Standard (STS)

5. Implementation. This STS will be used for technical training provided by AETC. The qualitative requirements proficiency code key will be used to determine the level of training and knowledge provided by resident training and career development courses as indicated in column 4 of the STS.

5.1. Purpose. As prescribed in AFI 36-2201, *Air Force Training Program*, this STS:

5.1.1 Lists in column 1 the most common tasks, knowledge, and the technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level AFSC in the Nuclear Weapons ladder of the Airman Munitions and Weapons Maintenance Career Field. These are based on an analysis of the duties in this CFETP.

5.1.2. Identifies in column 2 (by a 5 or a 7), specialty-wide minimum core task training requirements for award of 2W251 and 2W271 AFSCs.

5.1.3. Provides in column 3, OJT certification columns to record completion of task and knowledge training requirements. Task certification must show a certification/completed date.

5.1.4. Shows formal training and correspondence course requirements in column 4. Columns 4A and 4C (1) show the level to which task/knowledge training has been accomplished by the AETC Training Center for 2W231 and 2W271 courses respectively, as described at <https://etca.randolph.af.mil>. Column 4B (2) indicates the career knowledge provided in the 5-skill level CDC. Column 4C (2) indicates the career knowledge provided in the 7-skill level CDC.

5.2. Job Qualification Standard. The STS becomes a JQS for OJT training when placed in the AF Form 623, OJT Training Record. For OJT, the tasks/knowledge in column 1 are trained and qualified to the “go/no go” level. “Go” means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct use of procedures and possesses the required knowledge as determined by the trainer. When used as a JQS, the following requirements apply:

5.2.1. Documentation. Document and certify training IAW AFI 36-2201, Volume 3.

5.2.2. Training Business Area (TBA). TBA is an AF Portal, net-centric, GCSS-AF level web-based application that provides global, real-time visibility into the technical qualification and training status of maintenance personnel Air Force wide. Unit managers will use TBA as prescribed in implementation guidelines.

5.3. Upgrade Certification Procedures: Prior to upgrade, all personnel, regardless of duty position, must satisfactorily complete upgrade training requirements. Trainees must also meet AFSC experience requirements outlined in the *Air Force Enlisted Classification Directory (AFECD)*, this CFETP, task certified on all upgrade core tasks and have a minimum of 12 months performing nuclear weapon system maintenance tasks, as a certified team member or team chief. Additionally, all 7-skill level trainees must complete the formal 2W271 course and complete the 7-level CDC. Workcenters add local training requirements. Completion of non-mandatory tasks pertinent to the unit mission will continue to be accomplished, as resources become available for training.

5.3.1. When a CDC is not available, the supervisor will identify STS training references the trainee requires for career knowledge and ensures, as a minimum, trainees cover the mandatory items in the AFECD.

5.3.2. For two-time CDC course exam failures, supervisors will recommend to unit training managers the trainee be either eliminated from the AFSC or the AF, or recommend a waiver for wing commander evaluation. NOTE: Career Knowledge must be documented prior to submitting a CDC waiver by identifying all STS items corresponding to the areas covered by the CDC; have the trainee complete a study of STS references and undergo an evaluation by the

certifier, and receives certification on the STS.

5.4. Weighted Airman Promotion System (WAPS). The STS is used as a guide for development of promotion tests used in WAPS. Specialty Knowledge Tests (SKTs) questions are developed at the USAF Occupational Measurement Squadron by 2W2 Senior NCOs with extensive practical experience in the Nuclear Weapons Career Field judged by test development team members to be the most appropriate knowledge areas for promotion to higher grades. Questions are based on the study references listed in the WAPS catalog.

5.5. Recommendations. Report unsatisfactory performance of 3-level course graduates to AETC on a Graduate Assessment Survey, through the Hotline for Customer Service at DSN 736-5236, or directly to the school at DSN 736-5533/3279. NOTE: The Graduate Assessment Survey will be reviewed by the element NCOIC after the immediate supervisor makes comments to make sure the response is directed toward technical training rather than personality traits. Report inadequacies and suggested corrections to this STS through the 363 TRS/TRRM, 520 Missile Road, Bldg. 1025, Sheppard AFB, TX, 73611-2261. Reference specific STS paragraphs.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

LOREN M. RENO, Lt Gen, USAF
DCS/Logistics, Installations and Mission Support

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN
Printed Name Of Certifying Official And Written Initials		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs only help on hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of completed work. (Competent)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (Highly Proficient)
*Task Knowledge Levels	a	Can name parts, tools, and simple facts about the task. (Nomenclature)
	b	Can determine step by step procedures for doing the task. (Procedures)
	c	Can identify why and when the task must be done and why each step is needed. (Operating Principles)
	d	Can predict, isolate, and resolve problems about the task. (Advanced Theory)
**Subject Knowledge Levels	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationship of basic facts and state general principles about the subject. (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)
Explanations * A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b) ** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks. - This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC. X This mark is used alone in the course columns to show that training is required but not given due to limitations in resources. NOTE: All tasks and knowledge items shown with a proficiency code are trained during war time.		

QUALITATIVE REQUIREMENTS

Behavioral Statement STS Coding System	
Code	Definition
K	Subject Knowledge Training - The verb selection identifies the individual's ability to identify facts, state principles, analyze, or evaluate the subject
P	Performance Training - Identifies that the individual has performed the task to the satisfaction of the course; however, the individual may not be capable of meeting the filed requirements for speed and accuracy.
pk	Performance Knowledge Training - The verb selection identifies the individual's ability to relate simple facts, procedures, operating principles, and operational theory for the task.
-	No training provided in the course or CDC.
X	Training is required but not provided due to limitations in resources.
Each STS element is written as a behavioral statement. The detail of the statement and verb selection reflects the level of training provided by resident training and career development courses.	

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
1.	CFETP 2W2X1 - NUCLEAR WEAPONS - 1 Jan 2010											
2.	NUCLEAR WEAPONS CAREER FIELD TR: Air Force Enlisted Classification Directory; AFI 36-2502											
2.1.	Definitions of the USAF Airman Munitions and Weapons Career Field											
2.1.1.	Munitions Systems							A	-	-	-	-
2.1.2.	Aircraft Armament Systems							A	-	-	-	-
2.1.3.	Nuclear Weapons							A	-	-	-	-
2.2.	Progression in Career Ladder 2W2X1											
2.2.1.	Progression in Career Field Ladder 2W2X1							A	-	-	-	B
2.2.2.	Perform Team Chief Duties/Responsibilities	7						-	-	A	C	C
2.2.3.	Perform Bay Chief Duties/Responsibilities							-	-	A	C	C
2.3.	Duties of AFSCs 2W231/51/71							A	-	A	-	B
2.4.	Nuclear Weapons Community TR: DoD 5001.1, 5001.2, 5001.3; AFI 21-2XX Series											
2.4.1.	Department of Defense							A	-	A	-	B
2.4.2.	Department of Energy							A	-	A	-	B
2.4.3.	Defense Threat Reduction Agency							A	-	A	-	B
2.4.4.	Air Force Nuclear Weapons Center							A	-	A	B	A
2.4.5.	Wing/Group/Squadron Functions							A	-	B	-	B
3.	SECURITY											
3.1.	Communications Security (COMSEC) TR: DoD 5200.1R; AFI 10-701, 31-401, 33-201, V1-V3											
3.1.1.	COMSEC Vulnerabilities							-	-	-	-	-
3.1.2.	Maintain COMSEC Accounts							-	-	a	-	B
3.1.3.	Operation Security Vulnerabilities							A	-	-	-	-
3.2.	Weapons Storage and Security System (WS3) COMSEC TR: AFI 33-201 Series; USAFEI 33-201											
3.2.1.	Vulnerabilities							-	-	A	-	B
3.2.2.	COMSEC Responsible Officer Responsibilities							-	-	A	-	B
3.2.3.	User Responsibilities							A	-	A	-	B
3.2.4.	Deviations							-	-	A	-	B
3.3.	Information Security TR: CG-W-5; and Related Guides											
3.3.1.	Receipt/Destruction of Classified Data							A	-	b	-	-
3.3.2.	Safeguard/Maintain Accountability	5						A	-	b	-	-
3.3.3.	Use Security Classification Guides	5						-	-	a	2b	-
3.4.	Physical Security TR: DoD S-5210.41-M; AFI 31-101, 31-207; AFMAN 31-108											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
3.4.1.	Small Arms and Ammunition TR: AFI 31-207, 31-209, 31-101; DoD 5100.76M; TOs 11A-1-10, 11W-1-10, 11W3-6-2-1, 11W3-6-1-171, 11W3-5-5-41, 11W3-3-5-1, and Local Procedures											
3.4.1.1.	Armory and Repository Procedures											
3.4.1.1.1.	Inventory							-	-	-	-	-
3.4.1.1.2.	Issue							-	-	-	-	-
3.4.1.1.3.	Maintain							-	-	-	-	-
3.4.1.1.4.	Inspect							-	-	-	-	-
3.4.2.	Use of Force							A	-	-	-	-
3.4.3.	Nuclear Weapons Security											
3.4.3.1.	Fundamentals							A	-	-	B	-
3.4.3.2.	Controlling No Lone Zone/Exclusion Area							1a	-	-	B	-
3.4.3.3.	Perform Sole Vouching Authority Duties	5						1a	-	-	B	-
3.4.3.4.	Perform Munitions Close-in Sentry Duties							1a	-	-	B	-
3.5.	Air Force Physical Security											
3.5.1.	AF Physical Security Program							A	-	-	B	-
3.5.2.	Weapon Storage Area							A	-	-	-	-
3.5.3.	WS3 Requirements							A	-	-	-	-
3.6.	Weapons Movements TR: DoD S-5210.41-M; AFI 21- 2XX Series; AFMAN 31-108, 32- 4004											
3.6.1.	Inside WSA Movement Requirements							A	-	B	-	-
3.6.2.	Outside WSA Movement Requirements							A	-	B	-	-
3.6.3.	Safe Haven Requirements							A	-	A	-	B
4.	AIR FORCE NUCLEAR SURETY PROGRAM TR: DoDS-5210.41-M; AFI 21-101, 21-2XX Series, 31-101, 91-101; AFMAN 31-108; TOs 11N-50-1005, 44H2-3-1-101											
4.1.	Purpose							A	-	B	-	-
4.2.	Safeguard of Resources/Facilities											
4.2.1.	Key Control Procedures							2b	-	a	-	b
4.2.2.	Control/Audit/Keys/Locks							A	-	-	B	-
4.2.3.	Use, Maintain, Update, Review and Distribute Change Letters							A	-	-	B	-
4.2.4.	Manage WS3 Module Program							-	-	-	-	-
4.2.5.	Open/Close Nuclear Weapon Storage Facilities							2b	-	b	-	-
4.2.6.	Maintain High Security Padlocks							B	-	b	-	-
4.2.7.	Install/Remove Massive Modular Blocks							-	-	a	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
4.3.	Nuclear Surety Programs TR: DoD S-5210-42-R; AFI 91-101, 91-102, 91-103, 91-104, 91-105, 91-107, 91-111, 91-112, 91-114, 91-115, 91-116, 91-118; AFMAN 10-3902											
4.3.1.	Two Person Concept											
4.3.1.1.	Purpose							A	-	B	-	-
4.3.1.2.	Maintain	5						2b	-	b	B	-
4.3.2.	Personnel Reliability Program Responsibilities							A	-	B	B	-
4.3.3.	Nuclear Weapons and Weapon Systems Safety Rules							A	-	A	B	B
4.3.4.	Nuclear Mishap and Safety Deficiency Reports							A		a	B	b
4.4.	Nuclear Certified Equipment TR: AFI 21-200, 63-125, and MNCL											
4.4.1.	Description/Positive Identification / Restrictions							A	-	B	-	-
4.4.2.	Perform Nuclear Certification Verification using MNCL	5						2b/b	-	a	-	b
5.	SAFETY AND HEALTH PROGRAMS TR: AFI 91-202, 91-204, 91-301; AFOSHSTDs 48-8, 91-25, 91-66, 91-68, 91-501, 161-20; AFD 91-3											
5.1.	USAF Mishap Prevention Program							-	-	B	-	-
5.2.	AFOSH Standards for AFSC 2W2X1							A	-	B	-	-
5.3.	Lockout/Tagout Procedures							A	-	B	-	-
5.4.	Confined Space Procedures							A	-	A	-	-
5.5.	Hoist/Crane/Overhead Gantry TR: AFOSHSTD 91-46											
5.5.1.	Prior to Use Inspection	5						1b	-	b	-	-
5.5.2.	Periodic Inspection							1b	-	-	-	-
5.5.3.	Use	5						1b	-	-	-	-
5.6.	Hazardous Material Handling/Disposal/Safety TR: AFI 21-204; AFOSHSTD 48-8, 91-46; TOs 00-110N-2, 11N-45-60											
5.6.1.	Responsibilities	5						A	-	A	-	B
5.6.2.	Identification/Disposal Methods											
5.6.2.1	91B Waste	5						A	-	B	-	B
5.6.2.2.	RCRA	5						A	-	B	-	B
5.7.	Explosive Safety TR: AFI 32-1065; AFMAN 91-201; AFOSHSTD 91-501; TOs 11N-20-11, 11N-20-11A, 11N-35-51, 11N-20-7; NFPA780											
5.7.1.	Basic Explosive Safety							A	-	B	-	B
5.8.	Fire Protection							A	-	B	-	-
5.9.	Lightning Protection							A	-	A	B	B
5.10.	Static Electricity and Grounding							A	-	B	-	-
5.11.	Electro Static Sensitive Devices (ESSDs)	5						A	-	B	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
5.12.	Radiation Safety TR: AFI 48-20, 91-108; AFOSHSTD 91-501; TOs: 11N-20-5, 11N-20-7,											
5.12.1.	Basic Radiation Safety	5						A	-	B	-	-
5.12.2.	ALARA							A	-	B	-	-
5.12.3.	INRAD/Dosimeter							A	-	B	-	-
5.12.4.	Plutonium Hazards							A	-	B	-	-
5.12.5.	Tritium Hazards	5						A	-	B	-	-
5.12.6.	Use Protective Equipment							2b	-	B	-	-
5.13.	Fire Fighting Equipment/Systems TR: AFI 32-2001; AFOSHSTD 91-501											
5.13.1.	Purpose							-	-	-	-	-
5.13.2.	Inspect/Use							-	-	-	-	-
6	MAINTENANCE MANAGEMENT TR: AFI 21-101, 21-2XX Series, 63-103; AFD 90-1											
6.1.	Organization and Function of the Maintenance Management System TR: TO 00-20-2											
6.1.1.	Fundamentals							-	-	A	-	B
6.1.2.	Integrated Maintenance Data Systems (IMDS)							-	-	A	-	B
6.1.3.	Combat Ammunition System (CAS)							-	-	-	-	-
6.1.4.	Air Force Munitions Command and Control (AFMC2) SharePoint							-	-	-	-	-
6.2.	Processing and Controlling Material TR: AFI 20-101, 20-110, 21-203, 21- 204, 23-210; AFMAN 23-110 V2 Part 13, Chap 1,4,5,7,&8, 23-110 V7 Part 3, 23-220; TOs 00-20-14, 33K-1-100-1&-2, 32B14-3-1-101, 42B-1-1											
6.2.1.	Bench Stock Management							-	-	A	B	-
6.2.2.	Shelf Life Management							-	-	A	B	-
6.2.3.	NWRM Management							-	-	B	B	B
6.2.4.	Test Measurement Diagnostic Equipment (TMDE)							-	-	A	B	B
6.2.5.	Equipment Account Management							-	-	-	-	-
6.2.6.	Due In For Maintenance (DIFM) Process							-	-	-	-	B
6.2.7.	Mission Capability (MICAP) Process							-	-	-	-	B
6.2.8.	Initiate/Document Cannibalization Actions							-	-	-	-	-
6.3.	Inspect/Evaluation Programs TR: AFI 90-201; AFD 90-2; TO 11N-25-1											
6.3.1.	Quality Assurance TR: AFI 21-200, 21-204, 90-201; TO 11N-25-1											
6.3.1.1.	Responsibilities							A	-	A	B	B
6.3.1.2.	Inspection Requirements							-	-	-	B	B

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
6.3.1.3.	Quality Assessment Program (QAP) / Logistics Compliance and Assessment Program (LCAP)							-	-	A	B	B
6.3.1.4	Conduct Evaluations and Inspections							-	-	-	B	b
6.3.1.5.	Initiate QA Documentation							-	-	-	-	b
6.3.2	Nuclear Weapons Task Certification Requirements							-	-	A	B	B
6.3.3.	Higher Headquarters Inspections							A	-	B	-	-
6.3.4.	Exercises/Evaluations							-	-	A	-	B
7.	SUPERVISION TR: AFI 21-200, 21-202, 21-204, 63-103											
7.1.	Plan/Schedule Work Assignments and Priorities							-	-	-	b	-
7.2.	Prepare/Maintain AF Form 2435	7						-	-	-	b	b
7.3.	Prepare/Maintain AF Form 1098							-	-	-	b	b
8.	TRAINING TR: AFI 21-204, 36-2101, 36-2201, 36-2232											
8.1.	Evaluate Personnel to Determine Training Needs							-	-	-	-	b
8.2.	Plan and Supervise OJT											
8.2.1.	Conduct/Evaluate Training							-	-	-	b	a
8.2.2.	Prepare Job Qualification Standards							-	-	-	b	a
8.2.3.	Training Business Area (TBA)							1a/a	-	-	-	-
9.	PUBLICATIONS											
9.1.	Policies and Directives TR: AFI 37-160 V1&2											
9.1.1.	Obtain							-	-	-	-	-
9.1.2.	Use							1a	-	-	-	-
9.1.3.	Maintain							-	-	-	-	-
9.2.	Publications TR: AFI 33-360											
9.2.1.	Use							1a	-	-	-	-
9.3.	USAF Technical Order System TR: AFI 21-204, 21-303; AFPD 21-303; TOs 00-5-1, 11N-1-1											
9.3.1.	Use Technical Orders When Performing Tasks	5						2b	-	b	-	-
9.3.2.	Maintain Technical Order Files TR: TOs 0-1-01, 00-5-1, 00-5-2-2, 00-5-18, 11N-5-1											
9.3.2.1.	Perform TODO Functions							-	-	-	-	-
9.3.2.2.	Perform TODA Functions							-	-	-	-	-
9.4.	Technical Manual Improvement System/Reports							A	-	B	-	B
10.	FORMS, RECORDS AND REPORTS											
10.1.	Use Forms TR: AFI 21-203, 21-204, 21-205; AFMAN 23-110; TOs 11N-100-2, 11N-100-4, 00-20-2, 00-20-3											
10.1.1.	AF Form 36, Supply Document Register							-	-	-	-	-
10.1.2.	AF Form 1764, Major Assembly/Component Status Change Report	7						-	-	a	2b	b

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
10.1.3.	AF Form 2432, Key Issue Log	5						2b	-	b	-	b
10.1.4.	AF Form 2427, Lock and Key Control Register	5						2b	-	b	-	b
10.1.5.	AFTO Form 95, Significant Historical Data	5						2b	-	a	B	b
10.1.6.	AFTO Form 244/245, Industrial Support Equipment Record	5						2b	-	a	B	b
10.1.7.	DD Form 1500 Series, Condition Status Tags	5						2b	-	a	B	b
10.1.8.	DD Form 1348-1A, Single Line Item Release/Receipt Document							-	-	a	B	b
10.1.9.	AF Form 2005 Issue/Turn in Request							2b	-	b	-	-
10.1.10.	AEC Form 60 or DOE Form AD60							-	-	-	-	-
10.1.11.	DD Form 1911, Material Courier Receipt							-	-	-	-	-
10.1.12.	DD Form 1150, Request for Issue or Turn-in							-	-	b	-	-
10.1.13.	DOE/NRC Form 741, Nuclear Material Transaction Report							-	-	-	-	-
10.1.14.	AF Form 504, Weapons Custody Transfer Document							-	-	-	-	-
10.1.15.	AF Form 4352A/B, Command Disablement System Code							2b	-	-	-	-
10.1.16.	AF Form 2407, Weekly/Daily Flying Schedule Coordination							-	-	-	-	-
10.1.17.	SF Form 5700 Inspection Record Card	7						-	-	a	2b	b
10.1.18.	AF Form 68 Munitions Authorization Record							-	-	-	-	-
10.2.	Initiate/Process Deficiency Reports TR: AFI 21-204, 91-204; AFMAN 91-221; TOs 00-25-107, 00-35D-54											
10.2.1.	Deficiency Reports	7						A	-	a	B	b
10.2.2.	Maintenance/Engineering Assistance Request							-	-	a	B	b
10.3.	Manual Nuclear Weapons Configuration Records											
10.3.1.	Prepare/Use							a	-	a	2b	b
10.3.2.	Certify							a	-	a	2b	b
10.4.	Use DIAMONDS TR: CJCSI 3150.04; AFI 21-204; TOs 11N-5-1, 11N-35-7, 11N-35-50, 11N-3150-8-1; TP 100-3150; Users Manual											
10.4.1.	Fundamentals							A	-	-	-	-
10.4.2.	Security Measures							-	-	-	-	-
10.4.3.	Prepare/Use							-	-	-	-	-
10.4.4.	Use Publications							-	-	-	-	-
10.4.5.	Process Electronic Nuclear Weapons Configuration Records							-	-	-	-	-
10.4.6.	Process Unsatisfactory Reports	7						-	-	a	2b	b
10.4.7.	Process Electronic Inspection Record Cards	7						-	-	a	2b	b
10.4.8.	Process Weapon Information Reports	7						-	-	a	2b	b
10.4.9.	Process Status Change Reports	7						-	-	a	2b	b
10.4.10.	Process Weapon Status Reports							-	-	-	-	a

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
10.4.11.	Process Container Asset Reports							-	-	-	-	a
10.4.12.	Process Quality Assurance Service Test Status Reports							-	-	-	-	a
10.4.13.	Use Location Inventory Listing	7						-	-	a	2b	b
10.4.14.	Perform Data Base Maintenance							-	-	-	-	-
10.4.15.	Correct Erroneous Entries							-	-	-	-	-
10.4.16.	Training, Test or Exercise Processing							-	-	-	-	-
10.4.17.	Assistance and Problem Reporting							-	-	-	-	-
11	MUNITIONS CONTROL/PLANS AND SCHEDULING TR: AFI 21-200											
11.1	Directing and Controlling											
11.1.1.	Munitions Control Fundamentals							A	-	-	B	-
11.1.2.	Initiate Recall and Emergency Action Checksheets							-	-	-	-	-
11.1.3.	Use Radio, Secure Communications, and Direct Telephone Lines							-	-	-	-	-
11.2.	Coordinate Activities											
11.2.1.	Coordinate Munitions Requirements							-	-	-	-	-
11.2.2.	Advise Agencies of Maintenance Activities							-	-	-	-	-
11.2.3.	Coordinate Entry Requirements with Security Forces							-	-	-	-	-
11.2.4.	Advise Security Forces of Movement or Reworking							-	-	-	-	-
11.2.5.	Advise Fire Department of Fire Symbol and Line Number Changes							-	-	-	-	-
11.2.6.	Coordinate Work Request with Appropriate Agencies							-	-	-	-	-
11.2.7.	Coordinate Emergency Response Activities							-	-	-	-	-
11.3.	Maintain Documentation											
11.3.1.	War and Contingency Plans							-	-	-	-	-
11.3.2.	Inspection/Test of Static Ground and Lightning Protect Systems							A	-	-	B	-
11.3.3.	Inspection/Test of Hoists							1b	-	-	-	-
11.3.4.	Storage Location Planning Report							-	-	-	-	-
11.4.	Planning and Scheduling											
11.4.1.	Verify Bomb, RS, or Launch Gear Configuration against Mission Requirements							-	-	-	-	-
11.4.2.	Assign ID Numbers							-	-	-	-	-
11.4.3.	Assign Job Control Numbers							-	-	-	-	-
11.4.4.	Work Priorities							-	-	-	A	-
11.4.5.	Initiate Work Orders							-	-	-	-	-
11.4.6.	AWM/AWP Program							-	-	-	-	-
11.4.7.	TCTO Program							-	-	-	-	-
11.4.8.	Training, Special Activities, and Exercises							-	-	-	-	-
11.4.9.	UR Status							-	-	-	B	-
11.4.10.	Prepare Forecasts, Plans, and Schedules							-	-	-	-	-
11.4.11.	Conduct Scheduling Meetings							-	-	-	-	-
11.4.12.	Distribute Schedules							-	-	-	-	-
11.4.13.	Schedule Changes							-	-	-	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.	NUCLEAR ACCOUNTABILITY AND REPORTING											
12.1.	Management and Administration TR: AFI 21-203; AFMAN 23-110; TOs 11N-100-1, 11N-100-2, 11N-100-4, 11N-3150-8-1											
12.1.1.	Administrative							-	-	A	-	B
12.1.2.	Local Inventory Procedures							-	-	-	-	-
12.1.3.	Stockpile Emergency Verifications							A	-	A	B	A
12.1.4.	Manage Nuclear Accounts											
12.1.4.1.	MASO Responsibilities							-	-	-	A	A
12.2.	Weapons Custody TR: AFI 21-203											
12.2.1.	Fundamentals							A	-	B	-	-
12.2.2.	Custody Transfer (Operational Movements)											
12.2.2.1.	ICBM RS to/from Alert Status							-	-	a	-	-
12.2.2.2.	ICBM RS Swap Between Launch Facilities							-	-	a	-	-
12.2.2.3.	Missile/Bomb and Pylon/Launcher to/from Combat Aircraft							-	-	a	-	-
12.2.2.4.	Swap of Single Missile/Bomb							-	-	A	-	-
12.2.2.5.	Relocate, Deploy or Disperse Aircraft							-	-	A	-	-
12.2.3.	Custody Transfer (Logistics Movements)											
12.2.3.1.	Nuclear Weapons/Components/Test Items to/from Logistics Aircraft							-	-	a	-	-
12.2.3.2.	Nuclear Weapons/Components/Test Items to/from Safeguards Transport							-	-	a	-	-
12.3.	Accounting Procedures TR: CJCSI 3150.04; AFI 20-110, 21-203; TOs 11N-100-1, 11N-100-2, 11N-100-4, 100-3150, 11N3150-8-1											
12.3.1.	Document Control											
12.3.1.1.	Use Supply Document Register							-	-	-	-	-
12.3.2.	Stock Control											
12.3.2.1.	DOE Major Assemblies							-	-	-	-	-
12.3.2.2.	WR Containers and Bolsters							-	-	-	-	-
12.3.2.3.	NWRM							-	-	-	-	-
12.3.2.4.	Military Spares							-	-	A	-	-
12.3.2.5.	Base Spares											
12.3.2.5.1.	Unit Spare Authorization Listing (USAL)							A	-	A	-	-
12.3.3.	Excess Item Reporting and Disposition of Assets											
12.3.3.1.	Excess Serviceable Base Spares							-	-	-	-	-
12.3.3.2.	Excess Serviceable Military Spares							-	-	-	-	-
12.3.3.3.	Unserviceable Repairable Items							-	-	-	-	-
12.3.3.4.	Unserviceable Consumable Items							-	-	-	-	-
12.3.4.	Requisitions							-	-	A	-	-
12.3.5.	Receipt of Material											
12.3.5.1.	Inspecting Material Upon Receipt							-	-	A	-	-
12.3.5.2.	Processing Receipt Documents							-	-	-	-	-
12.3.6.	Shipment of Material TR AFI 11-299; TO 11N-45-51 Series											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
12.3.6.1.	General							A	-	A	B	B
12.3.6.2.	Preparing and Processing Shipping Documents TR: AFI 21-203; TOs 11N-100-2, 11N-100-4							-	-	a	B	b
12.3.7.	Issues, Turn-ins and Expenditures											
12.3.7.1.	Prepare/Process Issue, Turn-in and Expenditure Documents							-	-	b	-	-
12.3.8.	Custodian Accounting Procedures							-	-	-	-	-
12.3.9.	Accounting for TCTO and Retrofit Kits							-	-	B	-	B
12.3.10.	Prepare Stock Change Vouchers (SCV)							-	-	-	-	-
12.3.11.	Inventories of Accounts											
12.3.11.1.	Semi-Annual Inventory Procedures							-	-	-	B	B
12.3.11.2.	Change of MASO Inventory Procedures							-	-	-	B	B
12.3.11.3.	Special Inventories							-	-	-	B	B
12.3.11.4.	Monthly Spot Check Inventories							-	-	-	B	B
12.3.11.5.	Inventory Documentation							A	-	-	B	B
12.3.12.	Account for Lost, Damaged or Destroyed Property							-	-	-	-	-
12.3.13.	Posting Inventory Adjustments							-	-	-	-	-
12.3.14.	Audits of Accounts							-	-	-	-	-
13.	NUCLEAR WEAPONS SUMMARY TR: TOs 11N-BXX-0, 11N-BXX-1, 11N-BXX-1A, 11N-WXX-1, 11N-4-1, 11N-20-7											
13.1.	Nuclear History							A	-	A	B	A
13.2.	Nuclear Theory							A	-	B	B	B
13.3.	Operation/Function/Effects of Nuclear Weapons							A	-	B	B	B
13.4.	Safety Features of Nuclear Weapons							A	-	B	B	B
14.	GENERAL NUCLEAR WEAPONS MAINTENANCE TR: TOs 11N-35-51, 11N-35-51A											
14.1.	General											
14.1.1.	Use of DOE-DTRA TP Manuals							-	-	-	-	-
14.1.2.	Authorization							A	-	B	-	-
14.1.3.	Methods of Referencing TP 35-51 from Other Manuals	5						2b	-	B	-	-
14.1.4.	Definitions							A	-	A	-	-
14.1.5.	Commercial Equipment							A	-	B	-	-
14.1.6.	Marking in Manuals							A	-	B	-	-
14.1.7.	Expendable Materials							A	-	B	-	-
14.2.	Standard Specifications and Procedures for Nuclear Weapons											
14.2.1.	General Standards and Procedures							A	-	B	B	-
14.2.2.	Location							A	-	B	-	-
14.2.3.	General Procedures											
14.2.3.1.	Sequence of Procedures							A	-	B	-	-
14.2.3.2.	Pressure Testing							-	-	-	-	-
14.2.3.3.	Test Set Indications							A	-	B	-	-
14.2.3.4.	Multiple Status Checks Using T304 Multiple Purpose Continuity Test Set							-	-	-	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
14.2.3.5.	AC Devices							-	-	-	-	-
14.2.3.6.	Connect, Disconnect, and Protect Electrical Connectors	5						2b	-	B	-	-
14.2.4.	Inspection Procedures											
14.2.4.1.	Limitations							A	-	B	-	-
14.2.4.2.	War Reserve Material							A	-	B	-	-
14.2.4.3.	Manual or Item Changes							-	-	-	-	-
14.2.4.4.	Weapon Shipment Overseas							-	-	-	-	-
14.2.4.5.	Damage	5						A	-	B	B	B
14.2.4.6.	Corrosion							A	-	B	-	-
14.2.4.7.	Nuclear Weapons							A	-	B	-	-
14.2.4.8.	Electrical Connectors	5						2b	-	B	-	-
14.2.5.	Maintenance Procedures											
14.2.5.1.	Tool Use							A	-	B	-	-
14.2.5.2.	Alternates for Expendable Materials							-	-	A	-	-
14.2.5.3.	Limitations on Special Maintenance Procedures							-	-	-	-	-
14.2.5.4.	Modifications of Material							-	-	-	-	-
14.2.5.5.	Replacement Parts							-	-	-	-	-
14.2.5.6.	Stockpile Samples							-	-	A	-	-
14.2.5.7.	Retirement Units							-	-	A	-	-
14.2.5.8.	Weapon Temperature							A	-	B	-	-
14.2.5.9.	Protection Against Moisture							A	-	B	-	-
14.2.5.10.	Unseal Weapons							A	-	B	-	-
14.2.5.11.	Maintain Association of Weapon Components							A	-	B	-	-
14.2.5.12.	Use Handling Equipment							A	-	B	-	-
14.2.5.13.	Hydrazine Contamination								-	-	-	-
14.2.5.14.	Critical Markings							A	-	B	-	-
14.2.5.15.	Equalization of Body Potential							2b	-	B	-	-
14.2.6.	Storage Procedures											
14.2.6.1.	Empty Weapon DOE Storage Containers							A	-	A	-	-
14.2.6.2.	Bomb and Warhead Hand Trucks/Containers							A	-	A	-	-
14.2.7.	Transportation Procedures											
14.2.7.1.	Maneuverability of Hand Trucks and Containers with Casters							A	-	A	-	-
14.2.7.2.	Immobilization of Hand Trucks and Containers with Casters							A	-	B	-	-
14.2.8.	Hazardous Expendable Materials											
14.2.8.1.	Maintenance							B	-	B	-	-
14.2.8.2.	Personal Protection							B	-	B	-	-
14.2.9.	Personnel Safety Precautions							B	-	B	B	-
14.3.	Cleaning											
14.3.1.	General							A	-	B	-	-
14.3.2.	Cleaning Materials							A	-	B	-	-
14.3.3.	Cleaning Practices, Component or Assembly Cleaning							A	-	B	-	-
14.3.4.	Cleaning Procedures											
14.3.4.1.	Clean with Vacuum							2b	-	b	-	-
14.3.4.2.	Clean with Solvents							b	-	b	-	-
14.3.4.3.	Clean by Abrasion							1b	-	b	-	-
14.3.4.4.	Clean Corrosion from Coated Areas							b	-	b	-	-
14.3.4.5.	Clean Corrosion from Uncoated Areas							b	-	b	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
14.3.4.6	Clean Fungus Growth from Rubber Surfaces							b	-	b	-	-
14.3.4.7.	Clean Fungus Growth from Unpainted Metal Surfaces							b	-	b	-	-
14.3.4.8.	Clean Fungus Growth from Painted Metal Surfaces							b	-	b	-	-
14.3.4.9.	Clean Fungus Growth from Coated Cloth							b	-	b	-	-
14.3.5.	Special Cleaning Processes											
14.3.5.1.	Remove Epoxy-Resin Adhesives							-	-	-	-	-
14.3.5.2.	Clean Preformed Packings (O-Rings)							1b	-	b	-	-
14.3.5.3.	Clean Electrical Connectors							1b	-	b	-	-
14.3.5.4.	Remove or Dilute Hydrazine Contamination							-	-	-	-	-
14.4.	Preserving Surfaces											
14.4.1.	General							A	-	B	-	-
14.4.2.	Preserve Aluminum											
14.4.2.1.	Unpainted Aluminum							2b	-	b	-	-
14.4.2.2.	Paint Treated Aluminum							b	-	b	-	-
14.4.3.	Preserve Steel											
14.4.3.1.	Cleaning							2b	-	b	-	-
14.4.3.2.	Pretreatment Coating							b	-	b	-	-
14.4.3.3.	Organic Finish							b	-	b	-	-
14.4.4.	Repair Surface Preservations											
14.4.4.1.	Epoxy Resin							-	-	-	-	-
14.4.4.2.	Polyurethane Coating Compound							-	-	-	-	-
14.4.5.	Preservation Application											
14.4.5.1.	Thermal Resistant Coating							-	-	-	-	-
14.4.5.2.	Organic Finish							-	-	-	-	-
14.5.	Identification Markings											
14.5.1.	General Procedures											
14.5.1.1.	Referencing Documents							A	-	B	-	-
14.5.1.2.	Permissible Variations in Markings							A	-	B	-	-
14.5.1.3.	Agreements							-	-	B	-	-
14.5.1.4.	Permanent Marking of Bombs and Warheads							A	-	B	-	-
14.5.2.	Marking Materials							A	-	B	-	-
14.5.3.	General Marking Methods							A	-	B	-	-
14.5.4.	Tag and Label Markings							-	-	-	-	-
14.5.5.	Marking War Reserve and Non-War Reserve Materials											
14.5.5.1.	War Reserve							b	-	b	-	-
14.5.5.2.	Non-War Reserve							-	-	b	-	-
14.5.6.	Perform Container Marking							b	-	b	-	-
14.5.7.	Change Identification Markings							b	-	b	-	-
14.5.8.	Marking Shipping Containers							b	-	b	-	-
14.6.	Packaging											
14.6.1.	General Instructions							A	-	B	-	-
14.6.2.	General Packaging Information							A	-	B	-	-
14.6.3.	Detailed Packaging Methods											
14.6.3.1.	General							A	-	B	-	-
14.6.3.2.	Method I-Preservation Material Only							-	-	-	-	-
14.6.3.3.	Method IA-Water-Vaporproof							2b	-	b	-	-
14.6.3.4.	Method IC-Waterproof							-	-	-	-	-
14.6.3.5.	Method II-Water-Vaporproof with Desiccant							A	-	B	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
14.6.3.6.	Method III-Physical and Mechanical Protection Only							-	-	-	-	-
14.6.4.	Packaging for Shipment							-	-	a	-	-
14.6.5.	Opening and Closing Containers											
14.6.5.1.	Open/Close Wood Boxes							-	-	-	-	-
14.6.5.2.	Open/Close Drum-Type Containers							2b	-	b	-	-
14.6.5.3.	Closing 9-Gallon Drum-Type Containers							-	-	-	-	-
14.6.6.	Package or Unpackage Limited Life Components											
14.6.6.1.	Package or Unpackage Reservoirs							2b	-	b	-	-
14.6.6.2.	Package or Unpackage Neutron Generator Assemblies							-	-	-	-	-
14.6.6.3.	Complete Red Tag							a	-	b	-	-
14.6.7.	Miscellaneous Packaging Details							-	-	-	-	-
14.6.8.	Fabricate Water-Vaporproof Bags							2b	-	b	-	-
14.6.9.	Remove or Install Humidity Indicator Plugs							-	-	-	-	-
14.7.	Joining and Sealing											
14.7.1.	General							A	-	B	-	-
14.7.2.	Standard Hardware Removal											
14.7.2.1.	Remove Damaged Bolts, Studs, and Screws							-	-	-	-	-
14.7.2.2.	Remove Rivets							-	-	-	-	-
14.7.3.	Standard Hardware Installation											
14.7.3.1.	Install Bolts, Screws, Washers, and Nuts							2b	-	b	-	-
14.7.3.2.	Install Cotter Pins							2b	-	b	-	-
14.7.3.3.	Install Rivets							-	-	-	-	-
14.7.3.4.	Perform Hardware Inspection procedures							-	-	-	-	-
14.7.4	Tighten Threaded Fasteners to a Measured Torque Value TR: TOs 00-20-14, 11N-35-51, 32B14-3-1-101, 33K6-4-2193-1											
14.7.4.1.	General Torquing Procedures							A	-	B	B	-
14.7.4.2.	Torque Values							-	-	-	-	-
14.7.4.3.	Method I (Using a tester)							-	-	-	-	-
14.7.4.4.	Method II (Using an Extension and Universal)	5						2b	-	b	B	-
14.7.4.5.	Method III (Using Calculations)	5						2b	-	b	B	-
14.7.4.6.	Prepare/Inspect/Use Torque Tools	5						2b	-	b	B	-
14.7.4.7.	Maintain Torque Tools	5						2b	-	b	B	-
14.7.5.	Special Hardware Replacement											
14.7.5.1.	Replace Flush-Type Hi-Shear Rivets with Screws							-	-	-	-	-
14.7.5.2.	Replace Threaded Inserts							-	-	-	-	-
14.7.5.3.	Replace Quick-Acting Fasteners							-	-	-	-	-
14.7.6.	Safety Wiring											
14.7.6.1.	General Safety-Wire Procedures	5						B	-	B	-	-
14.7.6.2.	Standard Procedures							B	-	B	-	-
14.7.6.3.	Safety-Wire Threaded Fasteners	5						2b	-	b	-	-
14.7.6.4.	Safety-Wire Miniature and Coaxial-Type Electrical Connectors							-	-	-	-	-
14.7.6.5.	Safety-Wire AN and SA-AN-Type Connectors							2b	-	b	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
14.7.7.	Bonding Materials											
14.7.7.1.	General Bonding Procedures							A	-	B	-	-
14.7.7.2.	Prepare Surfaces							A	-	b	-	-
14.7.7.3.	Use Rubber-Base Adhesives							A	-	b	-	-
14.7.7.4.	Use Silicone Rubber Adhesives							A	-	b	-	-
14.7.7.5.	Use Epoxy-Resin Adhesive							-	-	-	-	-
14.7.8.	Staking											
14.7.8.1.	Stake Mechanically							-		a	-	-
14.7.8.2.	Stake with Paint							-	-	a	-	-
14.7.8.3.	Stake with Electrical Insulating Compound (Glyptal)							a	-	a	-	-
14.7.8.4.	Stake with Sealing Compound (Loctite)							a	-	b	-	-
14.7.9.	Apply Sealing Compounds											
14.7.9.1.	Prepare Shipping and Storing Sealant Kits							-	-	-	-	-
14.7.9.2.	Sampling Sealant Kits							-	-	-	-	-
14.7.9.3.	Mix Sealant							a	-	-	-	-
14.7.9.4.	Inspect Mixed Sealant							-	-	-	-	-
14.7.9.5.	Prepare Test Specimens							-	-	-	-	-
14.7.9.6.	Check Hardness							-	-	-	-	-
14.7.9.7.	Prepare Surfaces for Sealant Application							-	-	-	-	-
14.7.10.	Lubricate Preformed Packing, O- rings and Other Elastomeric Seals							a	-	b	-	-
14.8.	Maintain Electrical Cables											
14.8.1.	General Procedures							A	-	B	-	-
14.8.2.	Repair Minor Damage in Cable Exterior											
14.8.2.1.	Repair Silicone Jacket							a	-	b	-	-
14.8.2.2.	Repair Black Synthetic Rubber (Neoprene) Insulation							a	-	b	-	-
14.9.	Repair Metals, Plastics, Fabrics, and other Materials											
14.9.1.	General							A	-	B	-	-
14.9.2.	Measure Surface Irregularities											
14.9.2.1.	General Measuring Requirements							B	-	B	C	-
14.9.2.2.	Use Straightedge	5						2b	-	b	3b	-
14.9.2.3.	Use Contour Template							2b	-	b	3b	-
14.9.2.4.	Use Adjustable-Curve Drafting Ruler							2b	-	-	3b	-
14.9.2.5.	Use Machinist's Steel Rule	5						2b	-	b	3b	-
14.9.2.6.	Use Gap-Setting Gage	5						2b	-	b	3b	-
14.9.2.7.	Use Dial Indicating/Digital Depth Gage	5						2b	-	b	3b	-
14.9.2.8.	Use Measuring Magnifier							2b	-	b	3b	-
14.9.2.9.	Micrometer TR: TO 32-1-101											
14.9.2.9.1.	Use Optical Micrometer	5						2b	-	b	3b	-
14.9.2.9.2.	Use Depth Micrometer							2b	-	b	-	-
14.9.3.	Repair Metal Surface Depressions by Filling							-	-	-	-	-
14.9.4.	Repair Reusable Metal Containers							A	-	B	-	-
14.9.5.	Repair Fabrics and Fabric-Type Security Covers							-	-	-	-	-
14.10.	Miscellaneous Maintenance Operations											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
14.10.1.	Inspect/Use Gas Cylinders TR: TOs 35-1-236WC-1, 35D3-6-33-13, 42B5-1-2							1b	-	B	-	-
14.10.2.	Regulate Pressurizing and Purging Systems							1b	-	B	-	-
14.10.3.	Prepare Empty Pressurizing Gas Cylinders for Return Shipment (Special Dry Air)							-	-	-	-	-
14.11.	Handtools TR: TOs 32-1-2, 32-1-101, 32-1-151											
14.11.1.	Inspect/Use/Maintain							2b	-	B	-	-
14.11.2.	Repair							-	-	-	-	-
14.12.	Handling Equipment TR: TOs 11N-H-61A & B, 11N-HRV50XX-2, 35E15-10-1, 11N-H12-2, 33A2-2-23-31, 35C2-3-469-11											
14.12.1.	Inspect/Use/Maintain							2b	-	b	-	-
14.12.2.	Repair							b	-	b	-	-
14.13.	Perform Pre-operational Inspection and Operate Hydraulic Systems Portable Test Stand (MULE)							-	-	-	-	-
14.14.	Perform Pre-operational Inspection and Operate A/M32A-86D Diesel Generator Set (HOBART)							1b	-	-	-	-
14.15.	Electrical Principles TR: TO 00-25-234											
14.15.1.	Safety Precautions							A	-	B	-	-
14.15.2.	AC/DC Terms							A	-	B	-	-
14.15.3.	Use Digital or Analog Meters							1a	-	b	-	-
14.16.	Testing Equipment											
14.16.1.	Inspect/Use and Maintain Test Equipment											
14.16.1.1.	Inspect/Use/Maintain							2b	-	b	-	-
14.16.1.2.	Common Test Equipment TR: 11N-T55A							-	-	b	-	-
14.16.1.3.	AN/PDR74A Tritium Monitoring Set TR: TO 11N-T74A-2							2b	-	a	-	-
14.16.1.4.	T566, Digital Multimeter TR: TO 11N-T566-2							2b	-	a	-	-
14.16.1.5.	T557, Digital Thermometer TR: TO 11N-T557-2							a	-	a	-	-
14.16.1.6.	T569, Non-Nuclear Verification Tester with Non-Nuclear Assurance Program Field Procedures TR: TO 11N-T569-2							-	-	-	-	-
14.16.1.7.	Test Set, Arming & Fuzing Assembly P/N 23035019G1 TR: 11N-TRV5530-2							-	-	-	-	-
14.16.1.8.	Test Set, Explosive Set Circuitry TTU-463/E TR: TO 33D-38-15-21							-	-	-	-	-
14.16.1.9.	Test Set, Reentry System A/E24T-89 TR: TO 11N-TRV5099-2							-	-	-	-	-
14.16.1.10.	Test Set, Safety Enhanced Reentry Vehicle Field P/N 23035220G1 TR: TO 11N-TRV5528-2							-	-	-	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
14.16.1.11.	Reentry Vehicle Tester, MK21 TR: TO 11N-TRV5531-2							-	-	-	-	-
14.16.2.	Troubleshoot Test Equipment							-	-	-	-	-
15.	USE CONTROL (UC) TR: CJCSM 3260.01; AFI 21-205; TOs 11N-45-51, 11N-50-4											
15.1.	Systems Overview											
15.1.1.	Verifiable Control Procedures							A	-	A	B	B
15.1.2.	Permissive Action Link (PAL)							A	-	A	B	B
15.1.3.	Command Disablement							A	-	A	B	B
15.2.	UC1620/UC1620A TR: TO 11N-UC1620 Series											
15.2.1.	Equipment Description							-	-	A	-	A
15.2.2.	Inspect							-	-	-	-	A
15.2.3.	Maintain							-	-	-	-	A
15.2.4.	Use							-	-	-	-	A
15.2.5.	Security Requirements							-	-	A	B	B
16.	LLC CONTAINERS TR: TOs 11N-H1616 Series, 11N-20-11, 11N-35-51, 11N-35-51A, 11N-45-51, 11N-100-2, 11N-100-4											
16.1.	H1616 Container											
16.1.1.	General/Safety Precautions							A	-	A	-	-
16.1.2.	Description							A	-	A	-	-
16.1.3.	Principles of Operation							A	-	A	-	-
16.1.4.	Inspection/Repair							A	-	-	-	-
16.1.5.	Storage and Shipment							A	-	-	-	-
16.1.6.	Unpackage Contents							2b	-	b	-	-
16.1.7.	Pack and Close Container							2b	-	B	-	-
16.1.8.	Troubleshooting							A	-	-	-	-
16.2.	T568											
16.2.1.	Description							A	-	A	-	-
16.2.2.	Principles of Operation							A	-	A	-	-
16.2.3.	Inspect/Use							2b	-	-	-	-
16.2.4.	Maintain/Repair							A	-	-	-	-
16.2.5.	Troubleshoot							A	-	b	-	-
16.2.6.	Verification							A	-	b	-	-
17	WEAPON HANDLING STORAGE AND TRANSPORTATION TR: AFIs 91-115, 91-201, 21-204; TOs 11N-45-51 Series, 13C2-1-1											
17.1.	Purpose/Applicability							A	-	B	-	-
17.2.	Identification and Placarding							-	-	-	-	-
17.3.	Shipments											
17.3.1.	Major Assemblies							A	-	B	-	-
17.3.2.	LLC Components							A	-	B	-	-
17.3.3.	Maneuverability of Containers							A	-	B	-	-
17.4.	Logistic Movement of Nuclear Weapons Material TR: DoD S-5210.41-M; AFIs 11- 299, 21-203, 21-204, 21-205, 91-115; AFMAN 31-108, 91-201; AFJI 11-204; TOs 11N-20-5, 11N-20-7, 11N-20-11, 11N-100-2, 11N-45-51 series, 13C2-1-1											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.4.1.	Policy/Purpose							A	-	B	-	-
17.4.2.	Unit Responsibilities for Transporting, Shipping and Receiving Nuclear Cargo							A	-	A	-	B
17.4.3.	Use Nuclear Ordnance Shipping Schedule (NOSS)							A	-	-	B	B
17.4.4.	Briefing Requirements							-	-	-	-	A
17.4.5.	Loading/Blocking and Shoring							A	-	B	-	-
17.5.	Special Assignment Airlift Missions (SAAM)/DOE Movement Coordination											
17.5.1.	Bombs							A	-	B	-	-
17.5.2.	Containers							A	-	B	-	-
17.5.3.	Emergency Evacuation							A	-	B	B	-
17.6.	SGT Shipment TR: AFMAN 91-201; TO 11N-20-5, 11N-20-7, 11N-45-51 series											
17.6.1.	General							A	-	B	-	-
17.6.2.	SGT Preparation											
17.6.2.1.	Oxygen Monitoring							A	-	B	-	-
17.6.2.2.	Electrical Requirements							-	-	-	-	-
17.6.3.	SGT Loading											
17.6.3.1.	Inspect/Install/Remove Track Studs							-	-	a	-	-
17.6.3.2.	Inspect/Install/Remove Tiedown Adapters and Pear Shaped Rings							-	-	a	-	-
17.6.3.3.	Inspect/Install/Remove H1694							-	-	-	-	-
17.6.3.4.	Use Drum Tiedown Adapters							-	-	a	-	-
17.6.3.5.	Load Generic Boxes							-	-	-	-	-
17.6.3.6.	Upload/Download/Handling Shipping and Storage Containers and Bomb Hand Trucks to/from SGT											
17.6.3.6.1.	H1125A/H1671 Bomb Cradle/H1242 Caster Set							-	-	-	-	-
17.6.3.6.2.	H1224A Shipping and Storage Container							-	-	-	-	-
17.6.3.6.3.	H1333A/1333B Shipping and Storage Container							-	-	-	-	-
17.6.3.6.4.	H1347/H1347A Bomb Hand Truck/H795 Caster Set							-	-	-	-	-
17.6.3.6.5.	H1388 Shipping and Storage Container							-	-	-	-	-
17.6.3.6.6.	H1408 Shipping and Storage Container							-	-	-	-	-
17.6.3.6.7.	H1473 Shipping and Storage Container							-	-	-	-	-
17.6.3.6.8.	LLC Containers/Kits							-	-	-	-	-
17.6.3.6.9.	Group X Kits							-	-	-	-	-
17.7.	Load/Offload Truck/Tractor and Trailer											
17.7.1.	Placing Containers							2b	-	b	-	-
17.7.2.	Unit-Per-Load Restrictions							A	-	B	-	-
17.7.3.	Securing Containers							2b	-	b	-	-
17.7.4.	Forklift Use							2b	-	b	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.7.5.	Upload/Download/Handling Shipping and Storage Containers and Bomb Hand Trucks to/from Trailers											
17.7.5.1.	H1125A or H1671 Bomb Cradle/H1242 Caster Set							2b	-	b	-	-
17.7.5.2.	H1224A Shipping and Storage Container							-	-	-	-	-
17.7.5.3.	H1347/H1347A Bomb Hand Truck							-	-	-	-	-
17.7.5.4.	H1388 Shipping and Storage Container							-	-	-	-	-
17.7.5.5.	H1408 Shipping and Storage Container							-	-	-	-	-
17.7.5.6.	H1473/H1545/H1639 Shipping and Storage Container							-	-	-	-	-
17.8.	Ground Support Equipment											
17.8.1.	Inspect/Use											
17.8.1.1.	Wheeled Prybars							-	-	-	-	-
17.8.1.2.	Pallet Jacks							-	-	-	-	-
17.8.1.3.	J-bars							2b	-	b	-	-
17.8.1.4.	Pallet Stacker							-	-	-	-	-
17.8.1.5.	MB-1							2b	-	b	-	-
17.8.1.6.	CGU-1/B							2b	-	b	-	-
17.9.	25/40 Foot Trailers TR: AFJMAN 24-306; TOs 11N-45-51 Series, 11N-5202-2, 13C2-1-1 and Work Cards											
17.9.1.	Description							A	-	A	-	-
17.9.2.	Perform Pre/Post Use Inspection							1b	-	a	-	-
17.9.3.	Use Trailer with:											
17.9.3.1.	Bombs							2b	-	b	-	-
17.9.3.2.	Containers							2b	-	b	-	-
17.10.	MHU-141/M or MHU-226 Trailer TR: TOs 11N-45-51, 11N-B1004-1, 13C2-1-1, 33D3-11-36-6WC-2, 35D3-2-27-1, 11N-H5045-2, 11N-W80.83-2											
17.10.1.	Description							A	-	A	-	-
17.10.2.	Perform Pre/Post Use Inspection							1b	-	a	-	-
17.10.3.	Use with:											
17.10.3.1.	Bombs							-	-	b	-	-
17.10.3.2.	Missiles							2b	-	b	-	-
17.10.3.3.	Warheads							2b	-	b	-	-
17.11.	MHU 196/204 Trailer TR: TO 11N-H5083-1											
17.11.1.	Perform Pre/Post Use Inspection							2b	-	b	-	-
17.11.2.	Start-Up/Shutdown Procedures							2b	-	b	-	-
17.11.3.	Post Operations							2b	-	b	-	-
17.11.4.	Emergency Shutdown							2b	-	b	-	-
17.11.5.	Towing Procedures							A	-	a	-	-
17.12.	Lift Vehicles											
17.12.1.	Forklift TR: AFI 24-302; AFJMAN 24-306; AFOSHSTD 91-46; TOs 36M2-2 Series, 11N-45-51 Series, 11N-B1004-1											
17.12.1.1.	Description							A	-	B	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.12.1.2.	Perform Pre/Post Use Inspection							2b	-	b	-	-
17.12.1.3.	Operate/Use							2b	-	b	-	-
17.12.1.4.	Transfer/Transport Weapons											
17.12.1.4.1.	Bolstered							2b	-	b	-	-
17.12.1.4.2.	Unbolstered							2b	-	b	-	-
17.12.1.4.3.	Container							2b	-	b	-	-
17.12.2.	MHU-83 Series TR: TO 35D5-3-8-31											
17.12.2.1.	Description							-	-	B	-	-
17.12.2.2.	Perform Pre/Post Use Inspection							-	-	b	-	-
17.12.2.3.	Operate/Use							-	-	b	-	-
17.12.3.	MHU-174/E TR: TO 11N-5053-2-4											
17.12.3.1.	Description							A	-	B	-	-
17.12.3.2.	Perform Pre/Post Use Inspection							2b	-	b	-	-
17.12.3.3.	Operate/Use							2b	-	b	-	-
17.12.4.	MJ1 and MJ40/E											
17.12.4.1.	Description							-	-	A	-	-
17.12.4.2.	Perform Pre/Post Use Inspection							-	-	b	-	-
17.12.4.3.	Operate/Use							-	-	b	-	-
17.12.5.	Transfer Weapons Using Lift Trucks TR: TOs 11N-B1004-1, 11N-BXX Series, 11N-WXX Series, 21M-AGM86-6-2											
17.12.5.1.	Bolstered							-	-	b	-	-
17.12.5.2.	Unbolstered							2b	-	b	-	-
17.12.5.3.	Warhead							2b	-	b	-	-
17.12.5.4.	Missile							2b	-	b	-	-
17.13.	Tow Vehicles TR: AFI 24-302; AFJMAN 24-306; TOs 36A10-Series, 36-12-Series											
17.13.1.	Inspect/Use											
17.13.1.1	Semi-Tractor							-	-	-	-	-
17.13.1.2.	2.5 Ton Cargo							-	-	-	-	-
17.13.1.3.	5 Ton Cargo							-	-	-	-	-
17.13.1.4.	Eagle Bobtail							-	-	-	-	-
17.13.1.5.	Entwhistle							-	-	-	-	-
17.13.1.6.	NMC Wollard							-	-	-	-	-
17.14.	Inspect and Use Pintle Hooks on Tow Vehicles/Trailers TR: TO 36-1-121							1b	-	-	-	-
18	NUCLEAR BOMB MAINTENANCE TR: AFI 21-204, 21-205; TOs 11N-35-51, 11N-35-51A											
18.1.	B61 Bomb (Mod 3, 4, 7, 10, 11) TR: TOs 11N-B61-0, 11N-B61A-0, 11N-B61C-0, 11N-B61-1, 11N-B61A-1, 11N-B61-3, 11N-B61C-1											
18.1.1.	Weapons Summary							A	-	A	-	-
18.1.2.	Inspection											
18.1.2.1.	Perform Verification Inspection							2b	-	b	-	-
18.1.2.2.	Perform Visual Monitor							2b	-	b	-	-
18.1.2.3.	Inspect External Surfaces of Bomb							2b	-	b	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.1.2.4.	Inspect H1127 and Contents							2b	-	b	-	-
18.1.2.5.	Inspect Bomb Handling Equipment							2b	-	b	-	-
18.1.2.6.	Inspect Identification Markings							2b	-	b	-	-
18.1.3.	Handling Procedures											
18.1.3.1.	Immobilize H1125/H1242/H1671							2b	-	b	-	-
18.1.3.2.	Lift with H1004							2b	-	b	-	-
18.1.3.3.	Lift with H563							-	-	b	-	-
18.1.3.4.	Remove/Install Bomb from/to H1125A/H1671							2b	-	b	-	-
18.1.3.5.	Stack/Unstack Bombs (mod 3, 4, 7, 10)							-	-	b	-	-
18.1.3.6.	Remove/Install H1242							-	-	-	-	-
18.1.3.7.	Transfer Bomb into/out of WMT							2b	-	-	-	-
18.1.3.8.	Install/Remove Bomb in H1229/H1229A							2b	-	b	-	-
18.1.4.	General Maintenance Procedures (mod 3, 4, 7, 10, 11)											
18.1.4.1.	Prepare for Strike							2b	-	b	-	-
18.1.4.2.	General Information							A	-	B	-	-
18.1.4.3.	Fuze Settings							2b	-	b	-	-
18.1.4.4.	Prepare for Storage and Shipment							2b	-	b	-	-
18.1.4.5.	Perform Disassembly/Reassembly Procedures							2b	-	b	-	-
18.1.4.6.	Replace Components in Preflight Subassembly							-	-	-	-	-
18.1.4.7.	Replace Components in Tail Subassembly							-	-	-	-	-
18.1.4.8.	Remove/Install Parachute							-	-	-	-	-
18.1.4.9.	Inspect Parachute							-	-	-	-	-
18.1.5.	Limited Life Component Exchange (LLCE)											
18.1.5.1.	Replace Components in CBSA							2b	-	b	-	-
18.1.5.2.	Perform LLCE (mod 3, 4, 7, 10, 11)							2b	-	b	-	-
18.1.5.3.	Perform Alt 919 Reversal Procedures (mod 3, 4, 10)							-	-	-	-	-
18.1.5.4.	Perform Alt 927 Reversal Procedures (mod 11)							-	-	-	-	-
18.1.5.5.	Perform Alt 920 Procedures							-	-	-	-	-
18.1.6.	Emergency Procedures							-	-	b	-	-
18.1.7.	Perform Command Disablement Procedures							2b	-	b	-	-
18.1.8.	Perform Non-Violent Disablement							-	-	b	-	-
18.1.9.	Perform Continuity Test							-	-	-	-	-
18.1.10.	Unpackage and Package Components											
18.1.10.1.	Gas Generator							-	-	-	-	-
18.1.10.2.	Parachute							-	-	-	-	-
18.1.10.3.	Neutron Generators							-	-	-	-	-
18.1.10.4.	Electronic Component Assembly							-	-	-	-	-
18.1.10.5.	LLCE Components							-	-	-	-	-
18.1.11.	Joint Test Assemblies											
18.1.11.1.	Introduction							-	-	-	-	-
18.1.11.2.	Perform Receipt Inspection							-	-	-	-	-
18.1.11.3.	Prepare for Flight Test							-	-	-	-	-
18.1.11.4.	Perform Permissive Action Link							-	-	B	-	-
18.1.11.5.	Return JTA Material to DOE							-	-	-	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
18.2.	B83 Bomb TR: TOs 11N-B83-0, 11N-B83-1, 11N-B83-1A, 11N-B83-3C											
18.2.1.	Weapons Summary							A	-	A	-	-
18.2.2.	Inspection											
18.2.2.1.	Perform Verification Inspection							2b	-	a	-	-
18.2.2.2.	Perform Visual Monitor							2b	-	-	-	-
18.2.2.3.	Inspect External Surfaces of Bomb							2b	-	-	-	-
18.2.2.4.	Inspect H1097A and Contents							2b	-	b	-	-
18.2.2.5.	Inspect Bomb Handling Equipment							2b	-	-	-	-
18.2.2.6.	Inspect Identification Markings							2b	-	b	-	-
18.2.3.	Handling Procedures											
18.2.3.1.	Immobilize H13471/H1347A							2b	-	b	-	-
18.2.3.2.	Lift with H563							-	-	-	-	-
18.2.3.3.	Lift with H1004							2b	-	b	-	-
18.2.3.4.	Install/Remove H721							-	-	-	-	-
18.2.3.5.	Install/Remove H1095/H1095A							-	-	b	-	-
18.2.3.6.	Install/Remove H1097A							-	-	-	-	-
18.2.3.7.	Remove/Install Bomb from/to H1347/H1347A							2b	-	-	-	-
18.2.3.8.	Stack/Unstack Bombs in H1347/H1347A							-	-	-	-	-
18.2.4.	General Maintenance Procedures											
18.2.4.1.	Prepare for Strike							2b	-	b	-	-
18.2.4.2.	General							A	-	A	-	-
18.2.4.3.	Fuze Settings							2b	-	b	-	-
18.2.4.4.	Prepare for Storage and Shipment							2b	-	b	-	-
18.2.4.5.	Remove/Install Aft Assembly							2b	-	b	-	-
18.2.4.6.	Emergency Procedures							2b	-	b	-	-
18.2.4.7.	Perform Command Disablement Procedures							2b	-	b	-	-
18.2.4.8.	Perform Continuity Test							2b	-	b	-	-
18.2.5.	Limited Life Component Exchange (LLCE) TR: TO 11N-B83-1A											
18.2.5.1.	Perform LLCE							2b	-	-	-	-
18.2.5.2.	Alt 921 Procedures							-	-	-	-	-
18.2.6.	Unpackage and Package Components											
18.2.6.1.	LLCE Components							-	-	-	-	-
18.2.7.	Joint Test Assemblies											
18.2.7.1.	Introduction							-	-	-	-	-
18.2.7.2.	Perform Receiving Inspection							-	-	-	-	-
18.2.7.3.	Prepare for Flight Test							-	-	-	-	-
18.2.7.4.	Perform Permissive Action Link							-	-	-	-	-
18.2.7.5.	Return JTA Material to DOE							-	-	-	-	-
19.	LAUNCHERS/PYLONS TR: AFI 91-111; TOs 11N-L5001-1, 11N-L5001-2, 11N-L5006-1, 11N-L5006-2, 16W6-33-1, 21-AGM86-6-2,											
19.1.	Common Strategic Rotary Launcher (CSRL)/Rotary Launcher Assembly (RLA)											
19.1.1.	Introduction							A	-	B	-	-
19.1.2.	Inspect/Maintain/Operate							2b	-	b	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
19.1.3.	Inspect/Use Launcher Loader Adapter							2b	-	b	-	-
19.1.4.	Align Launcher/Frame Spline							-	-	-	-	-
19.1.5.	Install/Remove Launcher to/from Frame							2b	-	b	-	-
19.1.6.	Manually Rotate Launcher							-	-	a	-	-
19.1.7.	Configure Launcher							-	-	-	-	-
19.1.8.	Prepare/Configure Ejector							a	-	b	-	-
19.1.9.	Install/Remove Ejector(s) to/from Launcher/Missile							2b	-	b	-	-
19.1.10.	Install/Remove Cartridges							a	-	b	-	-
19.1.11.	Perform Ejector Safe Position Test							-	-	-	-	-
19.2.	Mate/Demate Procedures											
19.2.1.	Missiles							2b	-	b	-	-
19.2.2.	Bombs							-	-	b	-	-
19.2.3.	Perform Missile Safe Status Check							2b	-	b	-	-
19.2.4.	Perform Operational Readiness Inspection							b	-	b	-	-
19.3.	Perform Launcher Maintenance											
19.3.1.	Perform ECS Bypass Test							-	-	-	-	-
19.3.2.	Perform ECS Leakage test							-	-	-	-	-
19.3.3.	Perform Periodic Inspection							-	-	-	-	-
19.3.4.	Remove/Install/Repair Launcher Components							-	-	-	-	-
19.3.5.	Mate/Demate Interface Simulator (SMU-105) and Bomb Dummy Units (BDU(s))							-	-	-	-	-
19.4.	Pylons (SUU-67) TR: TO 16W6-33-1, 21AGM86-6-2											
19.4.1.	Introduction							A	-	A	-	-
19.5.	Prepare Pylon for Use/Shipment											
19.5.1.	Inspect/Use Pylon Loader Adapter							2b	-	b	-	-
19.5.2.	Install/Remove Pylon to/from Load Frame							2b	-	b	-	-
19.5.3.	Prepare/Configure Ejector							a	-	b	-	-
19.5.4.	Install/Remove Ejector(s) to/from Missile							2b	-	b	-	-
19.5.5.	Install/Remove Cartridges							a	-	b	-	-
19.6.	Perform Mate/Demate Procedures											
19.6.1.	ALCM							2b	-	b	-	-
19.6.2.	Perform Missile Safe Status Check							2b	-	-	-	-
19.7.	Perform Pylon Maintenance											
19.7.1.	Perform ECS Bypass Valve Test							-	-	-	-	-
19.7.2.	Perform ECS Leakage test							-	-	-	-	-
19.7.3.	Perform Periodic Inspection							-	-	-	-	-
19.7.4.	Install/Remove Ejector(s) to/from Pylon							-	-	-	-	-
19.7.5.	Remove/Install/Repair Pylon Components							-	-	-	-	-
19.7.6.	Perform Continuity Checks							-	-	-	-	-
20	GUIDED MISSILE SYSTEMS TR: AFI 91-111; TOs 11N-W80.83-1, 11N-W80.83-2, 21M-AGM86-2-1, 11N-W80-0, 11N-W80-1											
20.1.	W80 Warhead TR: TOs 11N-W80-1											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
20.1.1.	Weapons Summary							A	-	A	-	-
20.1.2.	Inspection											
20.1.2.1.	Perform Verification Inspection							2b	-	-	-	-
20.1.2.2.	Inspect External Surfaces of Warhead							2b	-	b	-	-
20.1.2.3.	Inspect H1388							2b	-	b	-	-
20.1.2.4.	Inspect Identification Markings							2b	-	-	-	-
20.2.	Handling Procedures											
20.2.1.	Lift with H563							2b	-	-	-	-
20.2.2.	Remove/Install Warhead from/to H1388							2b	-	b	-	-
20.3.	General Maintenance Procedures											
20.3.1.	General							a	-	b	-	-
20.3.2.	Prepare for Storage											
20.3.2.1.	Perform Prep for Storage							a	-	-	-	-
20.3.2.2.	Warhead Container							a	-	-	-	-
20.3.2.3.	Extended Storage Chocks							a	-	-	-	-
20.3.2.4.	Prepare for Shipment							a	-	-	-	-
20.4.	Limited Life Component Exchange (LLCE)											
20.4.1.	Introduction							A	-	A	-	-
20.4.2.	Perform LLCE							2b	-	b	-	-
20.4.3.	Perform Alt 908							-	-	-	-	-
20.4.4.	Unpackage/Package LLCE Components							-	-	-	-	-
20.5.	Emergency Procedures							2b	-	b	-	-
20.6.	Joint Test Assemblies (JTA)											
20.6.1.	Perform JTA Procedures							-	-	-	-	-
20.6.2.	Perform Receipt Inspection							A	-	b	-	-
20.6.3.	Prepare for Flight Test							-	-	-	-	-
20.6.4.	Perform Permissive Action Link Procedures							A	-	B	-	-
20.6.5.	Return JTA Material to DOE							A	-	-	-	-
20.6.6.	Remove/Install Warhead to/from MHU-141 Trailer or Workstand							-	-	-	-	-
20.7.	Mate/Demate Warhead											
20.7.1.	Description							A	-	A	-	-
20.7.2.	Remove/Install Warhead from/to ALCM Using MHU-170							2b	-	b	-	-
20.7.3.	Remove/Install Warhead from/to ALCM using GSU-283							2b	-	-	-	-
20.8.	Launcher/Pylon/Adapter Handling Operation TR: TOs 11N-W80.83-2, 11N-H5083-1, 11N-H5079-2											
20.8.1.	Transport Pylon							a	-	a	-	-
20.8.2.	Transport Launcher							a	-	-	-	-
20.8.3.	Mate/Demate Adapter							2b	-	b	-	-
20.8.4.	Inspect/Maintain/Test/Operate Suspended Loading and Checkout Frame							a	-	b	-	-
21.	EJECTOR RACKS TR: TOs 11N-L5000 Series, 16W6-33-1, 11B29-3-25-2, 11B29-3-63-1, 11B29-3-70-1, 11A-15-7-7, 11A-18-7-7											
21.1.	MAU-12/BRU-44											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.1.1.	Description							A	-	B	-	-
22.	MINUTEMAN III REENTRY SYSTEM											
22.1.	Reentry System Assembly/Disassembly TR: TOs 11N-RSXX-2-1, 16W21-4-2											
22.1.1.	Install/Remove Aft Shroud and V-Band Clamp							-	-	b	-	-
22.1.2.	Install/Remove RV							2b	-	b	-	-
22.1.3.	Install/Remove W4B Cable and Reentry System Installation Mounting Hardware to/from Payload Support							2b	-	b	-	-
22.1.4.	Install/Remove Chaff Dispenser Installation Kit							-	-	b	-	-
22.1.5.	Install/Remove Chaff Dispenser							-	-	b	-	-
22.1.6.	Install/Remove Forward Shroud Components Rocket Motor and Initiator/W6C Cable							-	-	b	-	-
22.1.7.	Install/Remove AFT Shroud Components W6B Cable/Access Doors/Panels/Inserts							-	-	b	-	-
22.2.	Reentry System Electrical Checkouts TR: TOs 11N-RVXX-2, 11N-RSXX-2-1, 11N-RSXX-2-2, 16W21-4-2, 11N-TRV5528-2, 11N-TRV5099-2, 33D9-38-15-21, 11N-RS12A-2-1, 11N-RS21M-2-1 (Mod 3), 11N-RS21M-2-2 (Mod 5)											
22.2.1.	Install/Remove Mod 5 Signal Conditioner Monitor Group & Cable Kit							-	-	-	-	-
22.2.2.	Install/Remove Mod 5 Chaff Instrumentation Kit							-	-	-	-	-
22.2.3.	Checkout Forward Shroud Confidence Monitor Loop using ESCTS							-	-	b	-	-
22.2.4.	Test W6 Series Cables using RSTS and Shroud Shunt Cap using RSTS							-	-	b	-	-
22.2.5.	Test W5 Series Cables using RSTS							-	-	b	-	-
22.2.6.	Test W5PA Cable using SFTS							-	-	-	-	-
22.2.7.	Test W4A Cable using RSTS							-	-	b	-	-
22.2.8.	Test W4A Cable using SFTS							-	-	b	-	-
22.2.9.	Test W4B Cable using RSTS							-	-	b	-	-
22.2.10.	Test W7 Cables using RSTS							-	-	a	-	-
22.2.11.	Checkout Arm/Disarm Device using RSTS TR: TO 11N-RSXX-2-1							-	-	a	-	-
22.2.12.	Checkout Chaff Sub-assembly using RSTS (MK12/12A)							-	-	a	-	-
22.2.13.	Checkout Targeting Function using RSTS (MK12/12A)							-	-	a	-	-
22.2.14.	Checkout Unique Signals using RSTS (MK12A)							-	-	a	-	-
22.2.15.	Checkout RS Safety Monitor Loop using ESCTS							-	-	a	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
22.2.16.	Checkout RS Confidence Monitor Loop using ESCTS							-	-	a	-	-
22.2.17.	Checkout RS Chaff Confidence Monitor Loop using ESCTS (MK12/12A)							-	-	a	-	-
22.2.18.	Checkout of RS Prearm (D1/D2) using SFTS (MK21)							-	-	-	-	-
22.2.19.	Checkout of Final Fuze Set and Verify (Targeting) (MK21)							-	-	-	-	-
22.2.20.	Test Mod 5 Components with RSTS (W5R, MDM, Mod 5 Inst, Mod 5 Final)							-	-	-	-	-
22.2.21.	Checkout Forward Shroud Rocket Motor Initiator TR: TO 11A15-1-167-1							-	-	a	-	-
22.2.22.	Checkout Thruster Bolt Pressure Cartridges TR: TO 11A15-1-167-1							-	-	a	-	-
22.2.23.	Checkout Ball Lock Pressure Cartridges TR: TO 11A15-1-167-1							-	-	a	-	-
22.2.24.	RS Components Inspection TR: TOs 16W21-4-2, 11A15-1-167-1							A	-	b	-	-
22.3.	RS Transfers/Transports TR: TO 11N-RSXX-2-1											
22.3.1.	Transfer RS to/from Pallet and Assembly Stand							-	-	b	-	-
22.3.2.	Transfer RS to/from Munitions Facility Pit							-	-	b	-	-
22.3.3.	Transfer RS on Dolly to/from Lift Vehicle, and to/from Storage							-	-	b	-	-
22.3.4.	Transfer Forward Shroud on Pallet							-	-	b	-	-
22.3.5.	Transfer Payload Support to/from Assembly Stand							-	-	b	-	-
22.3.6.	Transfer Chaff Dispensers to/from Replacement Fixtures and Maintenance Stand							-	-	b	-	-
22.3.7.	Transport RS on Dolly using Forklift							-	-	b	-	-
22.4.	Unpack/Pack RS Components TR: TOs 16W21-4-2, 11A15-1-167-1							-	-	-	-	-
22.5.	Perform RS Electrical Fault Isolation TR: TOs 11N-RSXX-2-1, 33D9-38-15-21, 11N-TRV5099-2, 11N-RS21M-2-1, 11N-RS21M-2-2, 11N-TRV5528-2											
22.5.1.	Perform Fault Isolation Procedures using ECSTS							-	-	b	-	-
22.5.2.	Perform Fault Isolation Procedures using RSTS							-	-	a	-	-
22.5.3.	Perform Fault Isolation Procedures using SFTS							-	-	-	-	-
22.6.	Reentry System Maintenance Procedures TR: TOs 16W21-4-1, 11N-RSXX-2-1											
22.6.1.	Repair/Replace Aft Shroud Components							-	-	a	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
22.6.2.	Repair/Replace Forward Shroud Components							-	-	a	-	-
22.6.3.	Repair/Replace Payload Support Components							-	-	a	-	-
22.6.4.	Repair/Replace RS Installation Kit Components							-	-	a	-	-
22.6.5.	Repair/Replace V-Band Clamp Components							-	-	A	-	-
23	MK-12A REENTRY VEHICLE											
23.1.	W78 Warhead TR: TOs 11N-W78-1, 11N-35-51, 11N-RV12A-2											
23.1.1.	Introduction/Description							A	-	-	-	-
23.1.2.	Unpackage/Package Warhead in H1224A							2b	-	b	-	-
23.1.3.	Perform Receipt/Verification Inspection							2b	-	b	-	-
23.1.4.	Prepare for Storage/Shipment							2b	-	-	-	-
23.1.5.	Emergency Procedures							A	-	b	-	-
23.1.6.	Perform Limited Life Component Exchange							2b	-	b	-	-
23.1.7.	Perform Alt 922							-	-	-	-	-
23.1.8.	Inspect Surfaces							-	-	-	-	-
23.2.	Transfer/Transport Warhead TR: TOs 11N-RV12A-2, 11N-W78-1, 11N-45-51 Series											
23.2.1.	Transfer Mid Section to/from RV Assembly Stand/Center Section Maintenance Stand							2b	-	b	-	-
23.2.2.	Transfer Warhead in H1224A to/from Lift Vehicle							-	-	b	-	-
23.3.	MK12A Reentry Vehicle TR: TOs 11N-RV12A-2, 33D9-38-15-21											
23.3.1.	Assembly/Disassembly							2b	-	b	-	-
23.3.2.	Test Forward Section for Stray Voltage using ESCTS							a	-	b	-	-
23.3.3.	Install Reentry System Installation Kit							2b	-	b	-	-
23.4.	MK12A RV Transfers/Transports TR: TOs 11N-RV12A-2, 11N-RS12A-2-1, 11A15-1-167-1											
23.4.1.	Transfer RV with or without RS Installation Kit to/from RV Assembly Stand							2b	-	b	-	-
23.4.2.	Transfer RV with or without RS Installation Kit to/from Ball Lock Installation Stand							2b	-	b	-	-
23.4.3.	Transfer RV with or without RS Installation Kit to/from RV Storage Stand							a	-	b	-	-
23.4.4.	Transport RV on Pallet using Forklift							-	-	b	-	-
23.4.5.	Transfer RV on Storage Stand to/from Forklift							-	-	a	-	-
23.4.6.	Transfer Forward Section to/from Shelf Hand Truck							a	-	a	-	-
23.5.	Inspect MK12A RV Components							2b	-	b	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
23.6.	Test MK12A RV Components TR: TO 11N-RV12A-2											
23.6.1.	Checkout Forward Section using Capacitance Meter							-	-	b	-	-
23.6.2.	Checkout Forward Section using RSTS							-	-	b	-	-
23.6.3.	Checkout Mid-Section W1B and W2B/W1E and W2E Cables using ESCTS							-	-	b	-	-
23.6.4.	Checkout W3A Cable using RSTS							-	-	b	-	-
23.6.5.	Checkout Hot Gas Generator Initiator TR: TO 11A15-1-167-1							-	-	b	-	-
23.6.6.	Perform RV Final Assembly Checkout using ESCTS							-	-	b	-	-
23.7.	MK12A RV Maintenance Procedures TR: TO 11N-RV12A-2											
23.7.1.	Clean/Repair Forward Section Surfaces							-	-	b	-	-
23.7.2.	Clean/Repair Mid-Section Surfaces							a	-	b	-	-
23.7.3.	Clean/Repair Aft Section Surfaces							-	-	b	-	-
23.7.4.	Install/Remove Breech Joint Set Screws							a	-	a	-	-
23.7.5.	Install/Remove Threaded Ring and Protective Cover							2b	-	b	-	-
23.7.6.	Replace Locking Screw Inserts							-	-	a	-	-
23.7.7.	Replace Decals							-	-	a	-	-
23.7.8.	Replace W1B/W1E CABLES							-	-	b	-	-
23.7.9.	Install/Remove W3A and Access Cover							-	-	b	-	-
23.7.10.	Install/Remove Hot Gas Generator and Initiator							-	-	b	-	-
23.8.	RV Electrical Fault Isolation TR: TO 11N-RV12A-2											
23.8.1.	Perform Fault Isolation Procedures using the ESCTS							-	-	b	-	-
23.8.2.	Perform Fault Isolation Procedures using the RSTS							-	-	b	-	-
23.8.3.	Perform Fault Isolation Procedures using the SFTS							-	-	-	-	-
23.9.	Unpackage/Package RV Components TR: TOs 11N-RV12A-2, 11A15-1-167-1											
23.9.1.	Unpack/Pack/Inspect							-	-	-	-	-
23.9.2.	Install/Remove Neutron Generators and/or JTA6 Aft Section Sensor Kit							-	-	-	-	-
23.9.3.	Assemble/Disassemble							-	-	-	-	-
23.10.	RV Mod 5T TR: TO 11N-RS12A-2-2											
23.10.1.	Unpack/Pack/Inspect							-	-	-	-	-
23.10.2.	Install/Remove Aft Section Ballast Kit							-	-	-	-	-
23.10.3.	Assemble/Disassemble							-	-	-	-	-
23.11.	RV Mod 6 TR: TO 11N-RS12A-2-2											
23.11.1.	Unpack/Pack/Inspect							-	-	-	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
23.11.2.	Unpack/Pack/Inspect Forward & Aft Section							-	-	-	-	-
23.11.3.	Assemble/Disassemble							-	-	-	-	-
24.	MK12 REENTRY VEHICLES											
24.1.	W62 Warhead TR: TOs 11N-W62-1, 11N-35-51, 11N-RV12-2											
24.1.1.	Introduction/Description							A	-	-	-	-
24.1.2.	Unpack/Pack Warhead in H1224A							-	-	b	-	-
24.1.3.	Perform Receipt/Verification Inspection							-	-	a	-	-
24.1.4.	Prepare for Storage/Shipment							-	-	-	-	-
24.1.5.	Emergency Procedures							-	-	b	-	-
24.1.6.	Perform Alt 903							-	-	-	-	-
24.1.7.	Perform T304C Test							-	-	-	-	-
24.2.	Transfer/Transport Warhead TR: TOs 11N-RV12-2, 11N-45-51 Series, 33D9-38-15-21											
24.2.1.	Transfer Mid Section to/from RV Assembly Stand/Center Section Maintenance Stand							-	-	-	-	-
24.2.2.	Transfer Warhead in H1224A to/from Lift Vehicle							-	-	-	-	-
24.3.	Assemble/Disassemble MK12 Reentry Vehicle TR: TOs 11N-RV12-2, 33D9-38-15-21											
24.3.1.	Assembly/Disassembly							-	-	b	-	-
24.3.2.	Test Forward Section for Stray Voltage using ESCTS							-	-	b	-	-
24.3.3.	Install/Remove Reentry System Installation Kit							-	-	b	-	-
24.4.	MK-12 RV Transfers/Transports TR: TOs 11N-RV12-2, 11N-RS12-2-1											
24.4.1.	Transfer RV with or without RS Installation Kit to/from RV Assembly Stand							-	-	-	-	-
24.4.2.	Transfer RV with or without RS Installation Kit to/from Ball Lock Installation Stand							-	-	-	-	-
24.4.3.	Transfer RV with or without RS Installation Kit to/from RV Storage Stand							-	-	-	-	-
24.4.4.	Transport RV on Pallet using Forklift							-	-	-	-	-
24.4.5.	Transfer RV on Storage Stand to/from Forklift							-	-	-	-	-
24.4.6.	Transfer Forward Section to/from Shelf Hand Truck							-	-	-	-	-
24.5.	Inspect MK-12 RV Components TR: TOs 11N-RV12-2, 11A-15-1-167-1							-	-	b	-	-
24.6.	Test MK-12 RV Components TR: TOs 11N-RV12-2, 11N-TRV5099-2, 11A-15-1-167-1, 33D9-38-15-21											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
24.6.1.	Checkout of Forward Section using RSTS							-	-	a	-	-
24.6.2.	Checkout Aft Arming and Fuzing Device							-	-	a	-	-
24.6.3.	Checkout Mid-Section CF1834 and CF1835 Cables using ESCTS TR: TO 33D9-38-15-21							-	-	a	-	-
24.6.4.	Checkout W3A Cable using RSTS							-	-	a	-	-
24.6.5.	Checkout Hot Gas Generator Initiator							-	-	-	-	-
24.6.6.	Perform RV Final Assembly Checkout using ESCTS							-	-	a	-	-
24.7.	MK-12 RV Maintenance Procedures TR: TO 11N-RV12-2											
24.7.1.	Clean/Repair Forward Section Surfaces							-	-	-	-	-
24.7.2.	Clean/Repair Mid-Section Surfaces							-	-	-	-	-
24.7.3.	Clean/Repair Aft Section Surfaces							-	-	-	-	-
24.7.4.	Install/Remove Breech Joint Set Screws							-	-	-	-	-
24.7.5.	Install/Remove Threaded Ring and Protective Cover							-	-	-	-	-
24.7.6.	Replace Locking Screw Inserts							-	-	-	-	-
24.7.7.	Replace Decals							-	-	-	-	-
24.7.8.	Install/Remove Hot Gas Generator and Initiator							-	-	-	-	-
24.8.	RV Electrical Fault Isolation TR: TOs 11N-RV12-2, 11A15-1-167-1, 11N-TRV5099-2, 33D9-38-15-21											
24.8.1.	Perform Fault Isolation Procedures using the ESCTS							-	-	-	-	-
24.8.2.	Perform Fault Isolation Procedures using the RSTS							-	-	-	-	-
24.9.	Unpackage/Package RV Components							-	-	-	-	-
25.	MK-21 REENTRY VEHICLE											
25.1.	W87 Warhead TR: TOs 11N-W87-1, 11N-35-51, 11N-RV21-2											
25.1.1.	Introduction/Description							A	-	-	-	-
25.1.2.	Unpackage/Package Warhead in H1473/H1639							2b	-	b	-	-
25.1.3.	Perform Receipt/Verification Inspection							2b	-	b	-	-
25.1.4.	Prepare for Storage/Shipment							2b	-	b	-	-
25.1.5.	Emergency Procedures							A	-	b	-	-
25.1.6.	Perform Limited Life Component Exchange							2b/b	-	-	-	-
25.1.7.	Perform Alt 928							-	-	-	-	-
25.1.8.	Inspect Surfaces							-	-	-	-	-
25.1.9.	Perform MSAD Test							2b/b	-	a	-	-
25.2.	Transfer/Transport Warhead TR: TOs 11N-W87-1, 11N-45-51 Series, 11N-RV21-2											
25.2.1.	Transfer Warhead RV to/from RV Assembly Stand/Pallet							2b	-	a	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.2.2.	Transfer Warhead in H1473 to/from Lift Vehicle							-	-	-	-	-
25.3.	Assemble/Disassemble MK21 Reentry Vehicle TR: TO 11N-RV21-2											
25.3.1.	Assembly/Disassembly							2b/b	-	b	-	-
25.3.2.	Install/Remove Reentry System Installation Kit							-	-	-	-	-
25.3.3.	Install/Remove W4A Cable Assembly							2b/b	-	b	-	-
25.4.	MK21 RV Transfers/Transports TR: TO 11NRV21-2											
25.4.1.	Transfer/Transport RV to/from RV Assembly Stand/Pallet							-	-	-	-	-
25.4.2.	Transfer/Transport RV to/from RS Installation Kit to/from RV Assembly Stand							-	-	-	-	-
25.4.3.	Transfer RV with or without RS Installation Kit to/from Ball Lock Installation Stand							-	-	-	-	-
25.4.4.	Transfer RV with or without RS Installation Kit to/from RV Storage Stand (Pallet)							-	-	-	-	-
25.4.5.	Transfer RV on RV Storage Stand (Pallet) to/from Forklift							-	-	-	-	-
25.4.6.	Transport RV on Pallet using Forklift							-	-	-	-	-
25.5.	Inspect MK21 RV Components TR: TOs 11N-RV21-2, 11A15-1-167-1							2b	-	B	-	-
25.6.	Test MK21 RV Components TR: TOs 11N-RV21-2, 11N-TRV5080-8											
25.6.1.	Checkout Arming and Fuzing Assembly							-	-	-	-	-
25.6.2.	Checkout RV with/without W4AIFD Cable Installed							-	-	-	-	-
25.7.	RV Mod 5F TR: TOs 11N-RV21-2, 11N-RS21M-2-2											
25.7.1.	Unpack/Pack/Inspect							-	-	-	-	-
25.7.2.	Assemble/Disassemble							-	-	-	-	-
25.8.	RV Mod 5T TR: TO 11N-RS21M-2-2											
25.8.1.	Unpack/Pack/Inspect							-	-	-	-	-
25.8.2.	Assemble/Disassemble							-	-	-	-	-
25.9.	RV Mod 6 TR: TO 11N-RS21M-2-2											
25.9.1.	Unpack/Pack/Inspect							-	-	-	-	-
25.9.2.	Assemble/Disassemble							-	-	-	-	-
26.	WEAPON STORAGE AND SECURITY SYSTEM TR: TOs 11N-50-1003, 11N-50-1008											
26.1.	Vault Control Group TR: TO 11N-50-1004											
26.1.1	Safety Summary							A	-	-	-	-
26.1.2.	Description							A	-	B	-	-

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
26.1.3.	Principles of Operation											
26.1.3.1.	Panel Indicators and Controls							A	-	B	-	-
26.1.3.2.	Other Indicators and Controls							A	-	B	-	-
26.1.3.3.	Operating Details							A	-	B	-	-
26.1.3.4.	Associated Equipment and Materials							A	-	B	-	-
26.1.4.	Inspection and Tests											
26.1.4.1.	Preventative Maintenance							-	-	-	-	-
26.1.4.2.	System Level Functional Test Procedures							-	-	-	-	-
26.1.4.3.	Physical Inspection Procedures							-	-	-	-	-
26.1.4.4.	Two-Person Component Inspection							-	-	-	-	-
26.1.5.	Operation											
26.1.5.1.	Use Code Module Procedures TR: USAFEI 33-201							2b	-	a	-	b
26.1.5.2.	Primary System Operation							2b	-	-	-	-
26.1.5.3.	Alternate System Operation							2b	-	-	-	-
26.1.5.4.	Weapons Removal and Installation							2b	-	-	-	-
26.1.5.5.	Periodic (Annual) Rekey/Recode and Unscheduled Rekey/Recode of Components							A	-	-	-	-
26.1.6.	Vault Control Group Maintenance											
26.1.6.1.	Fault Isolation Procedures							-	-	-	-	-
26.1.6.2.	General Cleaning and Finishing							-	-	-	-	-
26.1.6.3.	Component Replacement Procedures							A	-	-	-	-
26.1.6.4.	Special Maintenance Procedures							-	-	-	-	-
26.1.6.5.	Circuit Diagrams							-	-	-	-	-
26.1.7.	Inspect/Operate/Maintain Toxic Air Test Set TR: TO 11H5 Series; Local Procedures							-	-	A	-	-
26.2.	Code-Transfer Group (CTG) TR: TO 11N-50-1005											
26.2.1.	Safety Summary							A	-	-	-	-
26.2.2.	Description and Capabilities of Components							A	-	-	-	-
26.2.3.	CTG Principles of Operation											
26.2.3.1.	Identification and Time Delay (ID/TD) Operation							A	-	B	-	-
26.2.3.2.	Recode Operations							A	-	B	-	-
26.2.3.3.	Rekey Operations							A	-	B	-	-
26.2.4.	Inspections and Tests											
26.2.4.1.	Physical Inspection of Components							2b	-	-	-	-
26.2.4.2.	Functional Tests							2b	-	-	-	-
26.2.5.	Operating Procedures											
26.2.5.1.	Code Transfer Unit							2b	-	-	-	-
26.2.5.2.	Unlock Operation							2b	-	-	-	-
26.2.5.3.	ID/TD Operation							A	-	-	-	-
26.2.5.4.	Recode Operation							A	-	-	-	-
26.2.5.5.	Rekey Operation							A	-	-	-	-
26.2.6.	Maintenance											
26.2.6.1.	Fault Isolation Procedures							-	-	-	-	-
26.2.6.2.	Component Replacement							-	-	-	-	-
26.2.6.3.	General Cleaning and Refurbishment							-	-	-	-	-
26.2.7.	Prepare for Storage and Shipment							-	-	-	-	-
26.3.	Deactivation/Reactivation of WS3 TR: TO 11N-50-1008											

		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
1. Tasks, Knowledge And Technical References			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
26.3.1.	Description							-	-	-	-	-
26.3.2.	Deactivate System											
26.3.2.1.	Deactivation							-	-	-	-	-
26.3.2.2.	Semi-Annual Periodic Inspection							-	-	-	-	-
26.3.2.3.	Biennial Periodic Inspection							-	-	-	-	-
26.3.3.	Reactivation							-	-	-	-	-
27	WEAPONS MAINTENANCE TRUCK TR: AFOSH 91-46; TO 11N50- 1007											
27.1.	Description							A	-	B	-	-
27.2.	Preparation for Use							2b	-	-	-	-
27.3.	Inspect/Operate							2b	-	-	-	-
27.4.	WMT Hoist											
27.4.1.	Operate							2b	-	-	-	-
27.4.2.	Daily Inspection							2b	-	-	-	-
27.4.3.	Monthly Inspection							-	-	-	-	-
27.4.4.	Semi-Annual Inspection							-	-	-	-	-
27.4.5.	Annual Inspection							-	-	-	-	-
27.4.6.	Biennial Inspection							-	-	-	-	-
27.5.	WMT Container											
27.5.1.	Perform Inspections							2b	-	-	-	-
27.5.2.	Troubleshoot and Repair Electrical Faults							-	-	-	-	-
27.5.3.	Lightning Protection System Inspection/Test/Repair							-	-	-	-	-
28.	TRANSITIONAL WEAPONS TR: TOs 11N-35-51, 11N-35-51A											
28.1.	W84 Warhead TR: TO 11N-W84-1											
28.1.1.	Description							-	-	-	-	-
28.1.2.	Package/Unpackage							-	-	-	-	-
28.1.3.	Perform Inspection Following Shipment/Verification Inspection							-	-	-	-	-
28.1.4.	Prepare for Storage and Shipment							-	-	-	-	-
28.1.5.	Emergency Procedures							-	-	-	-	-
29.	NON-NUCLEAR GENERAL HANDLING/MAINTENANCE PROCEDURES TR: AFOSHSTD 91-500; and TO 43D Series											
29.1.	Handling/Transfer/Transport Empty Handling Equipment Containers							-	-	-	-	-
29.2.	Handling/Transfer/Transport Component Shipping/Storage Boxes							-	-	-	-	-
29.3.	Handling/Transfer/Transports and Maintenance of RV/RS/BDU Trainer Shapes							-	-	-	-	-

Note: BLK #4: Columns (1) & (2) can be relabeled to meet CF Requirements; i.e., 2 phase 3 skill level course, 5 lvl QTPs.